The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 3007
VOL. CXXVII

SEPTEMBER 25, 1937

Annual Subscription (with Diary) 20/-. *Single Copies* 9*d.*

Index to Advertisers, pp. 5 & 6.

When the B.B.C. broadcasts

GRAND OPERA

—is it helping YOU as a chemist ?

It will be, if the lines you stock are advertised in the 'Radio Times'

Comedians...famous dance bands ...broadcasts from the ringside of World Championships . . . 3,000,000 families turn the pages of the 'Radio Times' during the week, looking up these interesting items. And they see certain lines advertised. *But are they the lines you are stocking?*

Next time the traveller calls, ask him "Is your line advertised regularly in the 'Radio Times'?" If it isn't then you are not getting the best possible support from advertising.

. . .

Full information from the Advertisement Director, B.B.C. Publications, 35 Marylebone High St., London, W.1.

TELL THE TRAVELLERS YOU WANT THE

RADIO TIMES

MEMBERS OF THE AUDIT BUREAU OF CIRCULATIONS

GUARANTEED AVERAGE WEEKLY NET SALES FOR 1938 3,000,000

THE 'RADIO TIMES' LIST FOR YOUR TRADE

The following products are regularly advertised in the 'Radio Times' and are therefore assured of a steady demand. The second part of this list will appear in the next 'Radio Times' advertisement published in this journal.

Andrews Liver Salt
Parmint Syrup
Karmoid Tablets
Salloin
Do-do Asthma Tablets
Carters Little Liver Pills
Kay Brand Linseed Compound
Mothaks
Sal Hepatica
Cromessol Disinfectant
Perfumes
Phosferine
Jane Seymour
Angiers Emulsion
Bile Beans
Fynnon's Salt
Fennings Powders
Genasprin
Innerclean
Allcock's Porous Plasters
Nailoid
Drene Shampoo
New Era Treatment
Vaseline Hair Tonic
Cachets Faivre

The above NEW Display Showcard and

IN *EVERY* PARCEL

A striking advantage of Ostomalt over similar preparations is its unusually attractive flavour. Therefore until October 30th we give you in each special Bonus Parcel, 12 free tasting samples. Judiciously used, these can result in 12 new Ostomalt customers for you.

The CHEMIST'S OWN VITAMIN MALT AT BONUS TERMS

There is little of prestige or profit for chemists in the cut-price malt-and-oil lines that the grocers and street-markets are selling. Go out for a better quality trade this winter. Get behind Ostomalt—the "chemists only," oil-free, *four* vitamin product. Bonus Parcels now available show you 43% on sales. Order early for the seasonal demand.

OFFER CLOSES OCT. 30

BONUS PARCEL No. 5

	£	s.	d.
2¼ doz. x ½ lb. @ 21/- less 25%	1	15	5
¾ doz. x ½ lb. & 12 samples FREE		—	
The above sells for	3	3	0
YOUR PROFIT	1	7	7

BONUS PARCEL No. 6

1½ doz. x 1 lb. @ 36/- less 25%	2	0	6
½ doz. x 1 lb. & 12 samples FREE		—	
The above sells for	3	12	0
YOUR PROFIT	1	11	6

BONUS PARCEL No. 7

¾ doz. x ½ lb. @ 21/- less 25%	0	11	10
¼ doz. ½ lb. jars FREE		—	
¾ doz. x 1 lb. @ 36/- less 25%	1	0	3
¼ doz. 1 lb. jars FREE			
. . . and 12 samples FREE			
The above sells for	2	17	0
YOUR PROFIT	1	4	11

Not available in Irish Free State

OSTOMALT BONUS PARCELS

43% ON SALES

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

A A

Just back!

Our Managing Director, Mr. G. I. Lloyd, has just returned from an extensive tour in all the British Colonies . . . . . a tour of personal investigation of advertising practice in these territories.

As a direct result, we now offer Exporters a completely comprehensive advertising service. We can also, in many cases, extend practical assistance to clients faced with the problem of Agency representation.

EXPORT
ADVERTISING SERVICE
LIMITED

WINDSOR HOUSE, 83, KINGSWAY, LONDON, W.C.2

Telephone : CHANCERY 7553/4 *Telegrams : "COLONIADS, LONDON"*

AGENCIES ABROAD :

EAST AFRICA
Kenya Advertising Corporation, Ltd., Nairobi

CEYLON
Norman Blande & Co., Colombo

MALAYA
Warin Publicity Services Ltd., Singapore

MALTA
Malta Advertising Agency, Valletta

WEST AFRICA
West Africa Publicity Ltd., Lagos, Accra and Freetown

PALESTINE
Aron Advertising, Tel Aviv

HINDES
Big Bonus
SCHEME

Send your enquiries now to the addresses below.

Add profit and prestige to your business by linking up with Hindes Big Bonus Scheme—NOW. For every half dozen of the undermentioned proprietary lines ordered, Hindes will give one extra FREE—or two extra in one dozen. The Scheme will be backed by a strong advertising campaign in the leading high-class national weekly and monthly journals as well as a number of women's magazines.

THE "VERY" SERIES BLACK BRISTLE.

		Ladies.			Military.			Retail.	Dozen
Oval ..	.. X1.	Light.	X2.	Dark.	X13.	Light.	X14.	Dark.	7/6	60/-
,, ..	.. X3.	,,	X4.	,,	X15.	,,	X16.	,,	10/6	84/-
Round	.. —		X.44	,,	—		—			
Oval ..	.. X5.	,,	X6.	,,	X17.	,,	X18.	,,	15/-	120/-
Round	.. X7.	,,	X8.	,,	X19.	,,	X20.	,,		
Oval ..	.. X9.	Rosewood.	X12.	Ebony.	X21.	Rosewood.	X22.	Ebony.	18/6	148/-
Round	.. X10.	,,	X11.	,,	X23.	,,	X24.	,,		

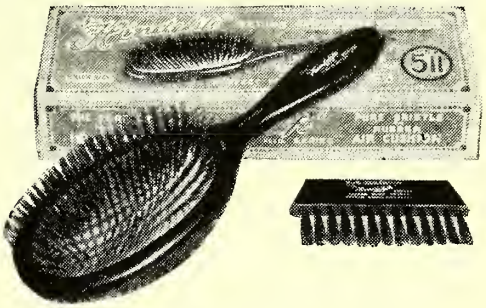
WHITE BRISTLE.

Oval ..	.. X31.	Light.	X32.	Dark.	X25.	Light.	X26.	Dark.	15/-	120/-
,, ..	.. X33.	Rosewood.	X34.	Ebony.	X27.	Rosewood.	X28.	Ebony	28/6	228/-
Round	.. X35.	,,	X36.	,,	X29.	,,	X30.	,,		
Oval ..	.. X39.	Satin.	X37.	Ivorine.	—		X37M.	Ivorine.		
Round	.. X40.	,,	X38.	,,	—		—			

THE "HINDELIFE" SERIES.

				Retail.	Dozen.
Oval	.. 7201	Ladies or Military	No Cleaner	2/11	24/-
,,	.. 7142	,, ,,	With Cleaner	3/11	32/-
,,	.. 7143	,, ,,	,,	5/11	48/-
Round	.. 7144	Ladies only	,,	5/11	48/-

Ladies in colours Red, Blue and Green; also Dark Stained Rose finish.
Military in Dark Stained Rose only.



WIRE PINS ON RUBBER CUSHION.
NEW "MATIK" SERIES.

In Light or Dark finish.

Oval ..	7004	Military.	7013	Ladies ..	.. ..	6/6	47/-
,, ..	7005	,,	7014	,,	7015 Round	8/6	57/-

HINDES
PATENTED
Tinglow REGD.
BRISTLES with FITNESS!
BODY FRICTION BRUSH
PURE BRISTLES ON RUBBER SPONGE

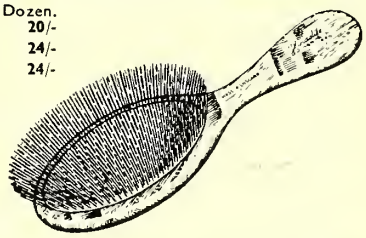
In Red, Blue, Green, White, or Yellow.

	Retail.	Dozen.
Standard size ..	5/6	44/-
Larger sizes ..	8/6	68/-

"HINDELIFE" NEW "MATIK" SERIES.

			Retail.	Dozen.
Oval	7187	Ladies or Military	2/6	20/-
Oval	7188	,, ,,	3/-	24/-
Round	7189	Ladies only	3/-	24/-

In Light, Dark, Red, Blue, or Green. Military in Light only.



HINDES LTD., BIRMINGHAM, and 5, GREAT QUEEN ST., LONDON, W.C.2.

A corner of the Cowper Street Pressing department

STAFFALLENS

ALMOND

and

APRICOT KERNEL OIL

The finest Quality Oils produced

STAFFORD ALLEN & SONS LTD

COWPER STREET, LONDON, E.C.2

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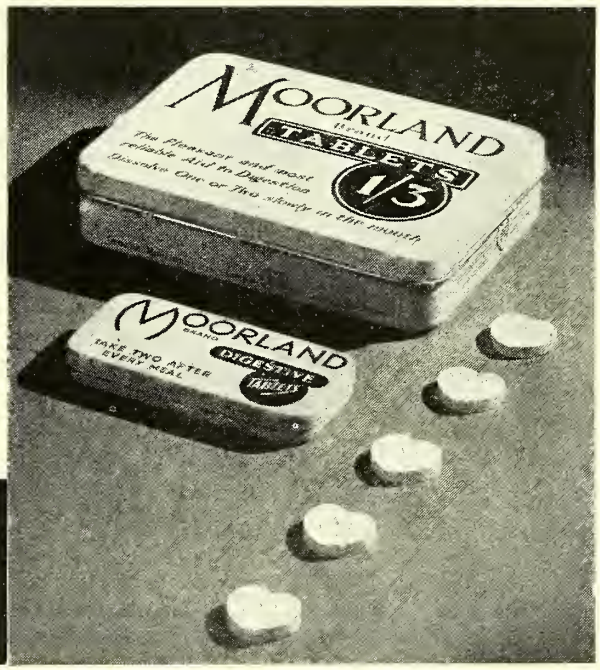
FIVE GOOD REASONS

- Ever-increasing public demand.
- All-the-year-round seller.
- Effective remedy for stomach troubles.
- Over 40% profit on a nationally advertised proprietary line.
- *The public will have*

MOORLAND BRAND INDIGESTION TABLETS



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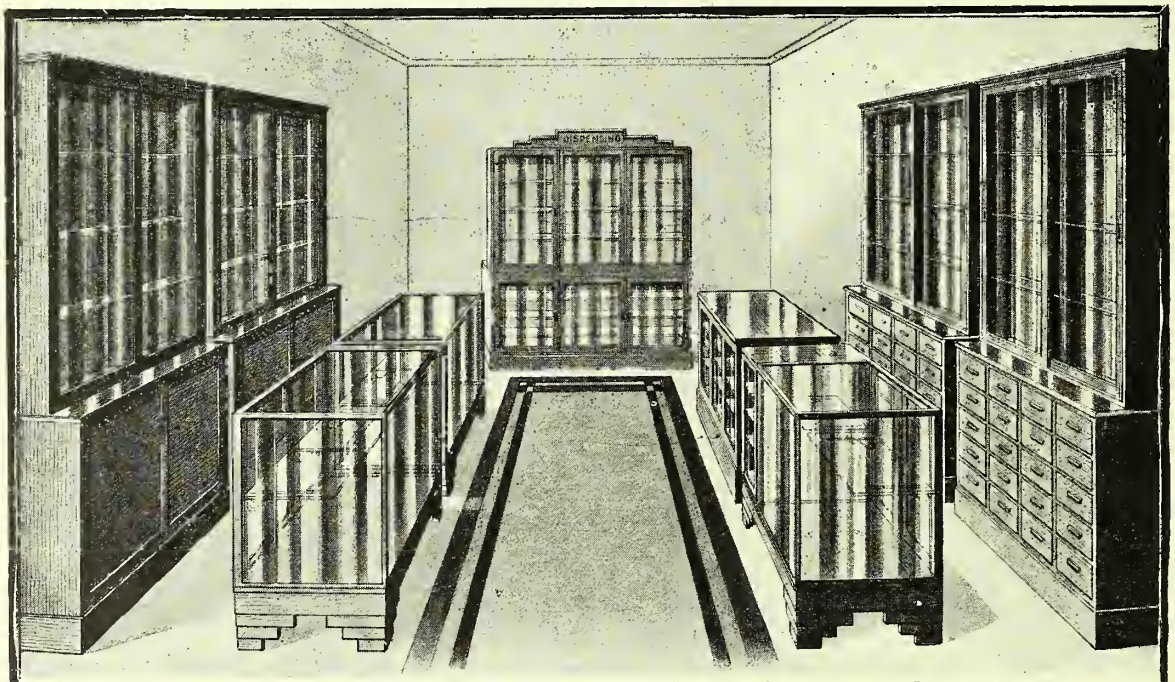


Your Shop can look like this — imagine this handsome set of Fixtures and Counters in your premises and remember they can be had for **£131.0.0**

Owing to the increased cost of raw materials we are reluctantly compelled to charge an increase of 5% on our prices.

Supplied immediately on deferred payments involving a small initial payment. Let us send you our Catalogue No. C.D. 1740

DUDLEY & COMPANY, LIMITED, 451-3 Holloway Rd., London, N.7 City Showrooms: 65 Fore Street, E.C.

IT PAYS TO RECOMMEND

CURICONES AND **STE-MAT** NASAL BALM

ANTI-RHEUMATIC CAPSULES

★ Nationally advertised.
★ Recommended by over 5,000 doctors (figures certified by chartered accountants).

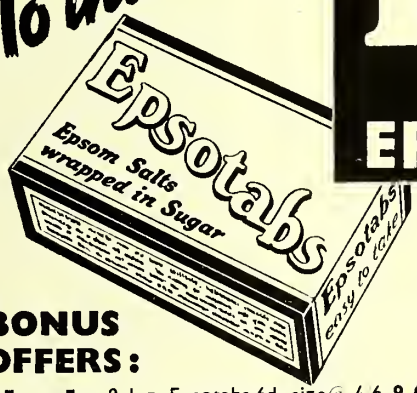
★ Nationally Advertised.
★ Has achieved outstanding successes in the relief or cure of colds and catarrh.

Send for particulars of these trusted, well-advertised lines immediately.

STEPHEN MATTHEWS & CO., LTD.,
MANUFACTURING CHEMISTS,
19/21, FARRINGDON STREET, LONDON, E.C. 4.

GREAT "FREE GOODS" OFFER

To introduce



Epsotabs BRAND
Sugar-Coated
EPSOM SALTS TABLETS

Epsotabs is one of the leading laxatives in the United States and Canada. The large sale of this product in America attests to its popularity with the consuming public.

Now entirely made in England by a British Company, Epsotabs have already received an enthusiastic reception and we feel positive that it will become as popular with the British public. Epsotabs are safe and non-habit forming. They are prescribed frequently by physicians and used by many hospitals in America.

BONUS OFFERS:

No. 1. 2 doz. Epsotabs 6d. size @ 4 6 **9.0.**
⅓ doz. ditto. 100 sample packets and one counter display **FREE**

No. 2. 2 doz. Epsotabs 6d. size @ 4/6 **9.0.**
1 doz. ,, 1/3 ,, @ 11/3 **11/3**
½ doz. 6d. size, ⅙th doz. 1/3d. size. 200 sample packets and one counter display - - - - - **FREE**

EXTENSIVE SAMPLING AND LOCAL ADVERTISING PLANS

Extensive house-to-house sampling and local newspaper advertising are now in full swing and new areas will be added as rapidly as possible until the English public are well acquainted with this fine product.

Add this new big profit earner to your stock by accepting our great "bonus offer" and secure an extra 16⅔%. Order through us naming your usual wholesaler.

EPSOTABS LTD. (Dept. C.D.1), 59/60 CHANCERY LANE, LONDON, W.C.2

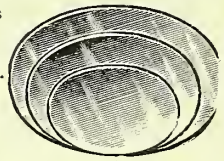
KING'S
FOR SHOPFITTINGS

No. H 3249. Round Section Metal Display Pedestals, fitted with Rubber Studs at Top and Bottom. Stocked as follows :—

Height.	Brown Bronze Finish.	Chromium Plate Finish.
9-in.	1/6 each	2 9 each
12-in.	2/0 ,,	3 3 ,,
15-in.	2/3 ,,	4 0 ,,
18-in.	2/6 ,,	4 9 ,,
21-in.	3/0 ,,	5 6 ,,
24-in.	3/6 ,,	6/6 ,,
30-in.	4/6 ,,	8 0 ,,

No. OK 256. First Quality Glass Ovals, ¼" thick, polished edges.

Size.		Size.	
9" × 5"	12/– Doz.	16" × 9"	22/6 Doz.
10" × 7"	13/6 ,,	18" × 12"	28/– ,,
12" × 9"	14/6 ,,	20" × 15"	45/– ,,
14" × 10"	18/– ,,	24" × 18"	52/– ,,



No. OK 354. Extension Glass Shelves, ¼" thick, polished edges.

Size.		Size.	
4" × 2½"	6/– Doz.	6" × 4"	8/– Doz.
5" × 3"	6/6 ,,	8" × 4"	12/– ,,
6" × 3"	7/– ,,	9" × 4"	13/– ,,

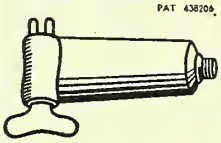
No. 9017. Heavy Pattern Screw Clip for connecting two Glass Shelves. plated finish 10/6 Dozen.

We will be pleased to forward the following Catalogues post free on application.
No. 1013. *Modern Display Fittings and Fixtures.*
,, 1914. *Christmas Display Materials.*

J. C. KING, LTD., 42-60 GOSWELL RD., LONDON, E.C.1
Phones: CLERKENWELL 2316 (Private Branch Exchange)

BRITISH MADE
METAL SMALLWARES
of every description

ROLATUBE KEY
PAT 438206



NO MESS — NO WASTE

Can be used hundreds of times

Supplied stamped with your name and address as a permanent advertisement

Particulars on application

SEND FOR CATALOGUE

L. ELBOZ & SON

RAYON D'OR WORKS
94 FERNDENE ROAD,
LONDON, S.E.24. TEL. BRIXTON 3456

Extracts

TINCTURES RESINOIDS
OLEO - RESINS MEDICINAL RESINS

EXT. ERGOT. LIQ.

EXT. CASCAR. LIQ.

EXT. GLYCYRRH. LIQ.

EXT. IPECAC. LIQ.

WILLIAM RANSOM & SON Ltd.
ESTABLISHED 1846
Manufacturing Chemists
HITCHIN near LONDON

WATCH SALES SOAR!

WATCH YOUR STOCKS!

New National Advertising Campaign to consolidate the success of MORNING PRIDE

"Morning Pride" has taken premier place in the shaving cream market. First in public favour "Morning Pride" is second to none in rapidly increasing sales.

Look to your stocks and be sure of your share of profits from this new wonder shaving cream.

WATCH FOR THEM IN—
London Evening Standard
Sunday Express
Sunday Dispatch
Sunday Chronicle
Sunday Times
John Bull
Sunday Mail
Sunday Post
Glasgow Weekly Herald
Scottish Field
Tablet Tit-Bits

MORNING PRIDE REGD.

THE RAZOR READY BRUSHLESS SHAVING CREAM

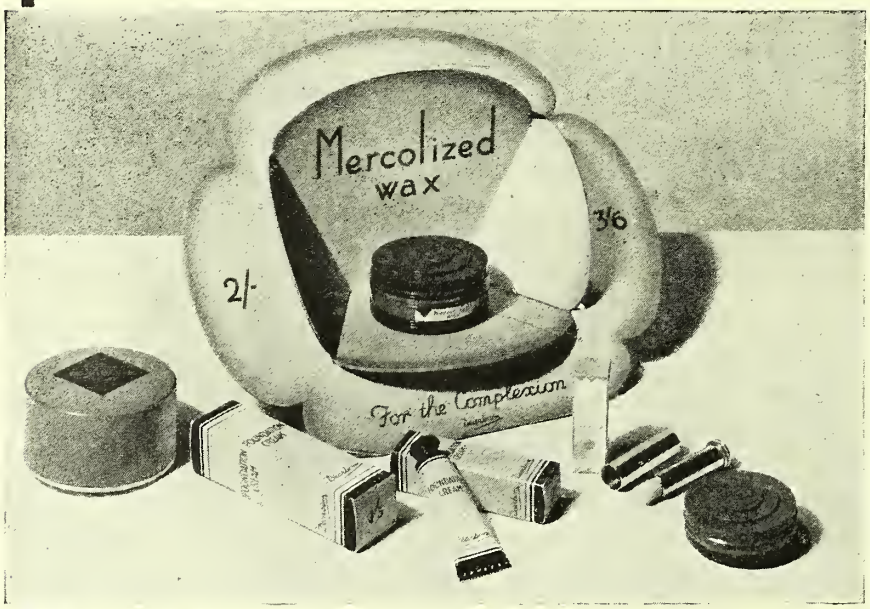
PRODUCT OF FAIRY DYES LTD., PHARMACEUTICAL DEPT.

For particulars of attractive Initial Order terms write

SOLE DISTRIBUTORS · FASSETT & JOHNSON LTD

86 CLERKENWELL ROAD LONDON. E.C.1

BIGGER PROFITS ON Mercolized Wax



MERCOLIZED WAX
16/– 28/– per doz. 2/– 3/6 retail

COMPLEXION POWDER
14/– per doz. 1/9 retail

POWDER CREAM
8/– per doz. 1/– retail

FOUNDATION CREAM
6/– 10/– per doz. 9d. 1/3 retail

LIP STICK
28/– per doz. 3/6 retail

A BONUS of 10% on £3 assorted orders is offered for a display of MERCOLIZED WAX.

Excellent Show Material and Counter Booklets on request.

Dearborn (1923) Ltd. 37 Gray's Inn Road, London, W.C.1

TELEPHONE: HOLBORN 9669

smoo

the *new* pre-shaving lotion that means *EXTRA* sales for you!

★ *SMOO IS NOT JUST ANOTHER SHAVING PREPARATION. IT COMPETES WITH NOTHING. EVERY SMOO SALE YOU MAKE IS AN EXTRA SALE.*

WHAT smoo IS

Smoo is the greatest thing that's happened in shaving since the safety razor. For men with tough beards and sensitive skins it will come as a minor miracle. For them — for every man — it means the end of all soreness and "drag," for Smoo gets rid of shaving sting *before shaving begins.* Whether a man uses soap or cream, brush or no brush, a few drops of Smoo rubbed in before he starts to shave makes every shave smooth and painless and comfortable.

NATIONAL ADVERTISING

Smoo means big things for you. Every man who comes into your shop is a potential customer — for large scale national advertising starts in a few days' time. Big compelling announcements in the "Daily Mail," "Daily Telegraph," "Evening Standard," "Punch," etc., etc., have been designed to put SMOO in half the bathrooms in England. And once a man tries SMOO, he'll never be without it ! It's going to pay you to be in right on the ground floor with SMOO. Better start stocking it right away. *Now,* before the rush begins !

smoo SOLE DISTRIBUTORS: R. HOVENDEN & SONS LTD., 29/33 BERNERS STREET, LONDON, W.1

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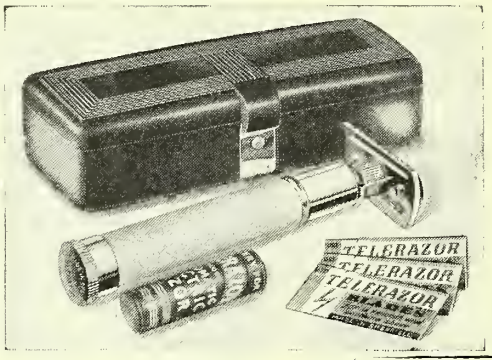

THE new automatic-electric Telerazor embodies refinements suggested by traders and features asked for by users. Great improvements have been made in its efficiency, fine finish and mechanical reliability. It is the perfected outcome of two years' experience of producing the only really satisfactory electric safety razor selling at a popular price.

The Telerazor has no inconvenient wires, it does not have to be plugged into the electric mains. Operated by a tiny battery in the handle, it is self-contained, convenient and SAFE. Experience has shown that there is a ready demand for every Telerazor produced. It sells on merit and on recommendation.

Refill Battery lasts 2 months Retail, 2d.

21/- RETAIL

BRITISH PATENTS
444,592 442,871
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451,870

Patents granted in all leading countries.

The NEW Automatic-Electric
TELERAZOR Regd.
BRITISH MADE

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Telegrams: NORMACO, AVENUE, LONDON. Telephone: NATional 8838-7467.

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PROFIT ON SELLING PRICE **43%**

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EUCRYL LTD. Manufacturing Chemists, SOUTHAMPTON

ROWLAND'S MACASSAR OIL

FOR ALL SHADES OF HAIR IT PROMOTES THE GROWTH, GIVES LIFE AND LUSTRE AND LONG DELAYS BALDNESS.

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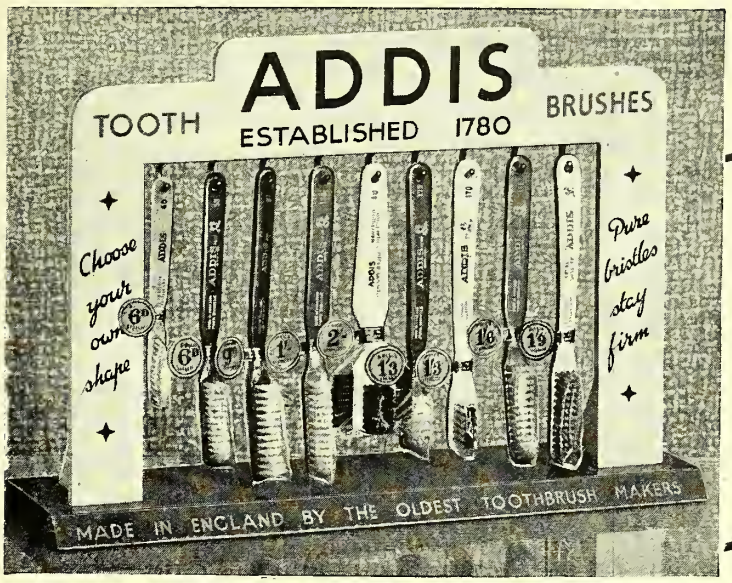

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THE PERFECT TOOTHBRUSH DISPLAY STAND

FREE... WITH ONLY SIX DOZEN ADDIS TOOTHBRUSHES AS DETAILED BELOW

½ doz.	No. 60.	Childs	6d.	toothbrush	...	1/7d.	...	Retail value	3/0d.
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½ doz.	No. 140.	"	1/9d.	"	...	5/6d.	...	" "	10/6d.
½ doz.	No. 88.	Modern	2/0d.	Denture Brush	...	8/0d.	...	" "	12/0d.
						£2 1 10½			£3 16 6

When ordering specify "Addis" Showstand offer @ £2 - 1 - 10½.

WELL FINISHED STAND • BEAUTIFULLY CELLULOSED • GOOD VALUE BRUSHES • ALL SHAPES • LONG PROFITS

BRUSH HEADS WRAPPED IN CELLOPHANE

ORDER FROM YOUR WHOLESALER

MADE IN ENGLAND BY **ADDIS** BRUSH WORKS HERTFORD

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To Owners OF Proprietaries

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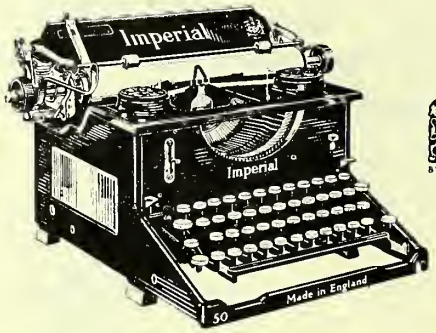
Of course not ! An unkempt assistant would create a wholly bad impression

What of the appearance of your letters?

Your prestige will be safe in this respect if you install the British-made

Imperial



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Virus for Rats and Mice,	single tube, 2/– ..	15/– per doz.
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Virus for Mice only ..	single tube, 1/6 ..	9/– ,,
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Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

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Bottles 6/– each	4/6 each
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HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33⅓% Cash with Order.

Retail		Monthly A/c	Cash with Order
½ gall. tins ..	10/– ..	.. 7/6	6/8
1 ,, ,, ..	18/– ..	.. 13/6	12/–
5 ,, ,, ..	80/– ..	.. 60/–	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)	Wholesale Prices
In cartons 9d. each	6/9 per doz.
,, 1/6 ,, ...	13/6 ,, ,,
,, 3/– ,, ...	27/– ,, ,,

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

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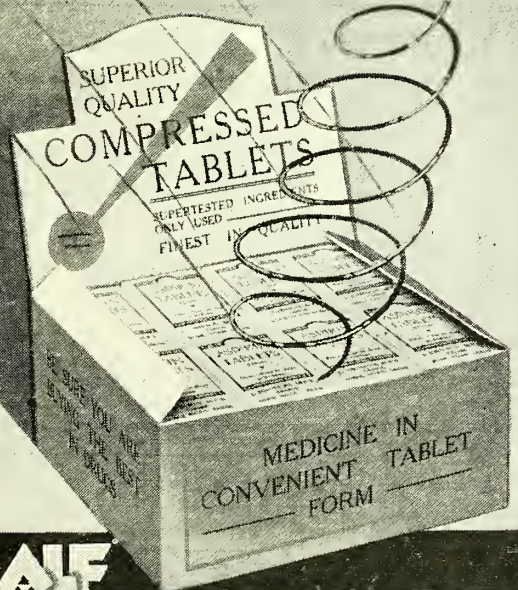
A DISPLAY OUTER MAKES ALL THE DIFFERENCE TO YOUR SALES AND TAKES UP MINIMUM COUNTER SPACE

Send for samples of our Cartons NOW



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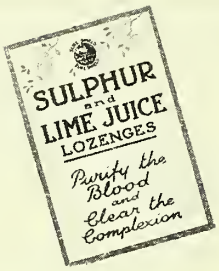
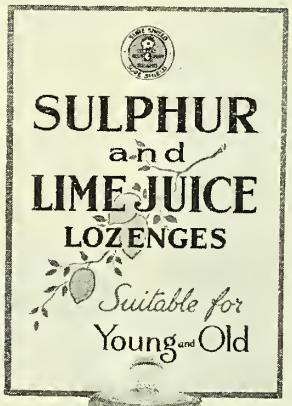
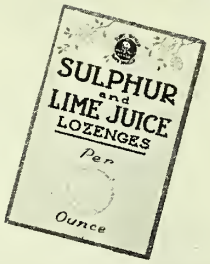
Members of the P.A.T.A.







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WINDOW DISPLAY
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SHOW JAR

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CARRUTHERS STREET
ANCOATS
MANCHESTER

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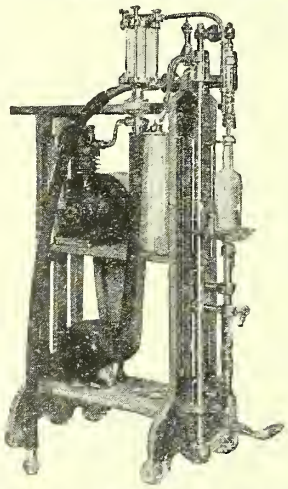
ROBERTS' PATENT
"LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

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No Over Filling
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Easy to Clean
Self Rinsing

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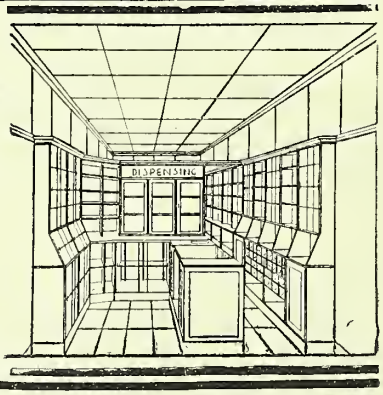

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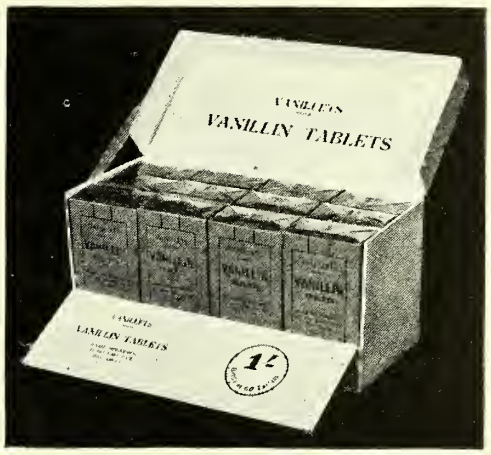
'VANILLETS'

★ *A GREAT IMPROVEMENT ON THE ESSENCE OR POD VANILLA*

HANDY
✦
ECONOMICAL
✦
ALWAYS READY TO HAND
✦
NOT MESSY NOR WASTEFUL



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3D Tubes of **12 VANILLETS - 12/-** per doz.
(2 doz. on a card)

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● **Carriage paid on orders of 10/- or over.**

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With an order for **VANILLETS** value **£1 . 0 . 0** we will give you **FREE** a card of **2** dozen **3d.** Tubes.

Consider the profit this shows . . .

6	dozen	**3d.**	**VANILLETS**	sell	at	**18 . 0**	cost	**12 . 0**
1	,,	**1/-**	,,	,,	,, ...	**12 . 0**	,,	**8 . 0**
2	,,	**3d.**	,,	,,	,, ...	**6 . 0**	,,	**FREE**
						£1 . 16 . 0		**£1 . 0 . 0**

Carriage paid

★ ***Here is a product that sells and brings repeat orders ad infinitum.***

Sole Makers:

THOMPSON & CAPPER WHOLESALE LTD.

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Just a reminder that the regular bonus through your wholesaler on all parcels of **EX-LAX** brand Chocolate Laxative has been **DOUBLED**, giving you a greater profit than ever.

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THE PHARMACY,
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APPLIED BEFORE WORK.

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PREVENTS CHAPPED HANDS

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—AT KEEN PRICES

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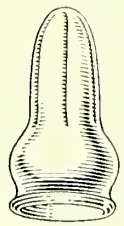
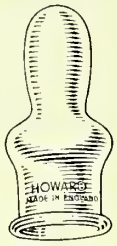


No. AH
12/- gross
Packed Counter Showboxes



No. LD
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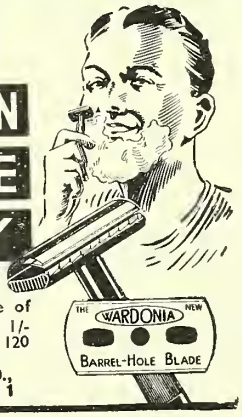
THOMAS SWALES
ST. STEPHEN'S ROAD
LEEDS, 9

"SWALES for SUNDRIES"

WARDONIA

A CLOSE CLEAN
QUICK SHAVE
EVERY DAY



Your customers will prefer the fine shaving qualities and long life of Wardonia Barrel-Hole Blades. Order **NOW**—large range of display material free. Blades retail 4 for 1/- and 10 for 2/6. Cost 21/- per box of 120 blades.

Sole Makers : **THOMAS WARD & SONS, LTD., Wardonia Works, Sheffield, 1**

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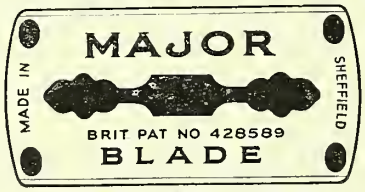
Retail 1d. each



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Ma Huang Nasal Script

1/- bottles
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7/6 doz.
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The Chinese Cure for Catarrh, Hay Fever,
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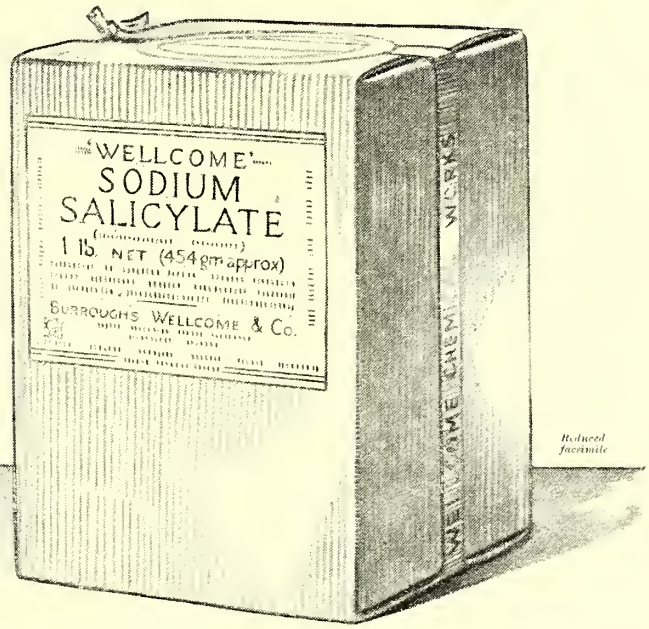

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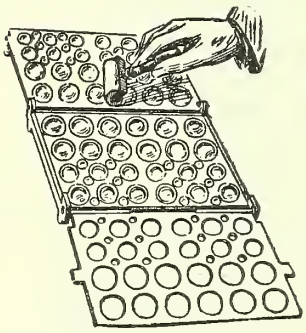

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CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

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News of the Week

Air Raid Precautions—Anti-Gas Training

The Home Office, Air Raid Precautions Department, has published a memorandum, "Anti-Gas Training," copies of which may be obtained from the Stationery Office, Kingsway, W.C.2, price 4d. The memorandum contains particulars of: Civilian Anti-Gas Schools. Scheme of medical anti-gas instruction. Qualifications of instructors, equipment and syllabus of training. Public anti-gas instruction. Particulars of mobile demonstration gas vans and gas chambers.

Key Industry Exemptions

A representation has been made to the Board of Trade, under Section 10 (5) of the Finance Act, 1926, for an Order exempting R. MANNITE from liability to duty under Part I of the Safeguarding of Industries Act, 1921. Any communication should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, on or before October 19, 1937.

The Board of Trade give notice that the question of the renewal for 1938 of the products at present exempted from liability to Key industry duty is now being considered. Any communication should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, on or before October 20, 1937.

Proprietary Articles Trade Association

We have been advised of the following alterations to the Protected List of the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1. The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.:—

ADDITIONS.—Hommel's Hæmatogen & Drug Co., Sedin Liquid (Nervinum-Sedativum), original bottles, about 4½ oz., 4s.; 36s. dozen. The Oatine Co., Oatine Skin Tonic, 1s. 6d.; 13s. 6d. dozen. Roma Soapless Shampoo Powders, No. 1 for Brunette, No. 2 for Blonde, 3d.; 2s. 3d. dozen. Oatine Powder Base (new handbag box size), 1s. 3d.; 10s. dozen; all less usual trade terms.

ALTERATIONS.—Wright, Layman & Umney, Ltd., Lysol in one-gallon cans, 12s. 6d.; 84s. dozen.

DELETION.—Hommel's Hæmatogen & Drug Co.'s Sedin Tablets.

Association of Welsh Insurance Committees

The Association of Welsh Insurance Committees held its annual conference at Brecon on September 16, Dr. S. J. Jayne presiding. The president said he was sure the insured person was getting very much improved medical service, and that on the whole he was satisfied with it. All insurance committees and the Ministry of Health were concerned as to excessive and expensive prescribing, but they were really treating symptoms and not the disease. The large majority of minor ailments was due almost entirely to ignorance or carelessness, and to reduce the drug bill they must treat the disease of ignorance and carelessness. Mr. F. L. C. Jones (Flint) was elected *President* for the ensuing year, and Mr. R. D. Prosser (Monmouth) *Vice-President*.

Inquests

A verdict of "Suicide while the balance of his mind was disturbed" was returned at an inquest at Dudley on the body of Mr. Arthur Henry Johnson, Stourbridge Road, an analytical chemist, who was found dead after having taken potassium cyanide.

At a recent inquest it was stated that hydrocyanic acid was found in the stomach of Tom Edwin Plumb, described as a chemist's manager, of Greenfield Avenue, Stourbridge. The coroner returned a verdict of "Suicide while the balance of his mind was disturbed."

At Paddington, London, an inquiry concerning the death of Mr. Ernst Kelsen, analytical chemist, who was found dead at his laboratory in Holborn, resulted in a verdict of "Suicide while of unsound mind." Sir Bernard Spilsbury deposed that death was due to poisoning by hydrocyanic acid, and that the taking of it could not have been accidental.

At the resumed inquest at Nottingham, on September 17, on the body of Wallace George, Long Eaton, who died after taking sodium barbiturate tablets, Dr. R. F. Smith, Long Eaton, said that in April he and his partners received two bottles of tablets at their surgeries. He did not use any of the tablets from the bottle which was sent him, and he had searched unsuccessfully for the bottle. He had a "clean out" of his surgery just before he went away in July, and threw some empty bottles into the dustbin. It was possible that he threw away a full bottle. An open verdict was returned.

The St. Pancras, London, coroner recently concluded an inquest on the body of Mr. H. S. Martin, who died at the Royal Free Hospital on August 13. Dr. J. H. Ryffel, analyst to the Home Office, said that in the liver he found traces of veronal which corresponded with 20 grains in the whole body. Following medical evidence, a verdict of "Death by misadventure" was recorded. The coroner said that deceased was prescribed the drug, one of the constituents of which was veronal, and owing to the condition of his kidneys brought about by his disease he was not able adequately to excrete the veronal. He had died from what, to one in his condition, was an overdose of the drug. He did not wish his verdict to reflect on the outside doctor who prescribed the

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See p. 365

drug. Death was due, in the main, to disease, and the drug he took had simply brought a termination of the matter earlier than it otherwise would have occurred.

Blackburn

At a meeting held recently members of the North-East Lancashire Branch of the Pharmaceutical Society expressed satisfaction at the arrangements which are being made to secure the co-operation of the pharmaceutical profession in any anti-gas measures which the country might adopt. Mr. Frank Gillibrand (secretary) said that where arrangements had already been made with the Red Cross for a course of instruction the Home Office would provide someone to give a further course specially for pharmacists. If nothing had been done in any district, then the Home Office would arrange for members of the profession to take advantage of a special course of instruction. Passing to the Shops (Sunday Trading Restriction) Act, he said the question of Sunday arrangements in various districts had been raised. In Blackburn, Accrington and Darwen an efficient rota service had been in operation for some time, and it worked remarkably well. Some members of the branch had raised the point as to whether it was permissible for an unqualified person to sell poppy heads. He had understood this was not permissible, and that poppy heads could only be sold by registered pharmacists. If any further cases arose he would report them to headquarters. Mr. E. A. Eccles, Oswaldtwistle (vice-president), then gave an account of the recent conference at Liverpool. In his judgment the tone of the conference had gone up tremendously. One factor which impressed him was the comparatively poor representation of the retailer; hospital pharmacy, teaching staffs and other branches sent their quota. Whether they liked it or not, the trend of pharmacy was towards making it into a profession, and in his opinion the prevailing methods of trading would lapse into the background. Retailers had their opportunity of helping to frame the general policy, but he was afraid they did not take full advantage of it. He heartily supported the idea of establishing a summer school about the same time as the conference, but the delegates seemed to think that this was not very practicable. It was now up to the branches to evolve some satisfactory scheme, since there was a danger of retail pharmacists getting into a rut and the value of "refreshers" could not be over-emphasised. He was impressed with the status which the pharmacist held in many rural areas, and he could not help contrasting this with a similar position in the larger towns and cities. There was no question that in the smaller districts the chemist was looked upon as a very important man.

London

A meeting of the Tottenham Branch of the North London Pharmaceutical Association was held at 634 High Road, Tottenham, on September 20, when thirty-two members attended, Mr. G. F. Weiss in the chair. Discussion took place on the continuance of the Sunday rota scheme, which was commenced in April. It was agreed, with one dissentient, that it had proved satisfactory and that it be continued. The chairman was authorised by the local medical officer to ask members if they would be willing to co-operate in a scheme of supplying medicines at clinic rates, which had hitherto been obtainable only at the school and welfare centres; it was unanimously decided to support this.

Miscellaneous

In the courts.—At Swanage Petty Sessions, on September 14, James E. Clegg, Institute Road, was fined 2s. 6d. for having sold a bathing cap on a Sunday, the Bench ruling that bathing caps are not included under the designation "fancy goods."

Plastics Federation luncheon.—A luncheon organised by the British Plastics Federation, Ltd., will be held at the Midland Hotel, Manchester, on October 7 at 12.45 for 1.15 p.m., tickets 6s. 6d. each. The principal speaker will be the chairman of the Federation (Mr. H. V. Potter, B.Sc., F.I.C., M.I.Chem.E.).

Fortieth anniversary.—On September 11, at their factory at Alperton, near Wembley, the staff of Bengué & Co., Ltd., manufacturing chemists, celebrated the fortieth anniversary of the establishment of the business in this country. The proceedings were presided over by the chairman of the company, Dr. J. Bengué, supported by Mr. F. J. Bengué (managing director) and Mr. John Bengué (director), these three gentlemen thus representing three generations of the Bengué family; others present included Mr. W. E. Page (secretary and director), Mr. J. Angus, M.P.S. (director), and Mr. T. Seltzer, managing director of the Bengué organisation in the United States of America. During the course of his remarks, the chairman presented life insurance policies to five members of the staff who had served for periods varying from twenty-eight years to eleven years, and announced that in future similar policies would be presented to all employees who had over ten years' service.

Irish Notes

Irish Chemists' Golfing Society

The Irish Chemists' Golfing Society held its last outing of the season at Newland Golf Club, co. Dublin, on September 12. The result of the forenoon contests was as follows: *Maw Cup*, F. Roche; *Erasmic Cup*, A. D. Davidson; *Horlick Cup*, J. Gorry; *Hanna Cup*, R. Bates. The results of the evening competitions were: *P. C. Cahill & Co.'s Trophy*, J. J. Roche; *Irish Glass Bottle Co.'s Cup*, H. J. McDevitt; *Elastoplast Cup*, M. Costello; *Gillespie's Prize*, S. Savage; *Siemens Schuckert's Prize*, F. Roche. At the close of the contests the prizes were presented by Mr. P. C. Cahill. Mr. E. McManus, captain of the Society, thanked the donors of the prizes. Mr. Fahy supported the captain's remarks. Replying, Mr. Cahill said he was delighted to have the opportunity of presenting a prize to the Golfing Society, and he hoped the winner, Mr. Roche, would find it useful. Mr. R. Bates said as this was the last meeting of the year it was only right that the captain, Mr. McManus, should be warmly congratulated on having such a successful term of office. The Society had progressed very much during the year under his able guidance. Mr. McManus suitably replied.

Irish Drug Association

A committee meeting of the Irish Drug Association was held on September 13, Mr. P. A. Brady (president) in the chair. The price cutting of two lines by a non-chemist was reported, and it was decided to take up the matter with the agents. The non-coding of prescriptions and failure to charge the coded price was under consideration. The committee urged all members to ensure that their obligations in this respect are fully and conscientiously discharged. The actions of two manufacturers came under review. It was reported that out-of-date lists were produced in some places in an effort to induce chemists to give discounts to guilds. The committee again emphasised that there has been no relaxation of the Association's rules forbidding this form of price cutting.

Belfast

Mr. J. Harold Totton, B.A., B.Sc., F.I.C., for many years public analyst of Belfast, died on September 7.

At Belfast Police Court, recently, William J. Gilmore (30) appeared to answer three charges of obtaining quantities of morphine on March 5, March 14 and August 10. Dr. J. S. V. Mills, prosecuting, said the accused obtained 365 grains of morphine by forging seventy-five doctor's prescriptions. He had been undergoing treatment for asthma by Dr. Lowe, Crumlin Road, who had prescribed a certain quantity of morphine. These prescriptions the defendant took to one chemist, but before doing so, it was alleged, he made copies of them, in effect forging prescriptions purporting to be issued by Dr. Lowe. He took these to another chemist, thus illicitly obtaining large quantities of the drug during the past four or five months. Dr. Mills handed up a bundle of forged prescriptions, and said the Court would see that Gilmore had been forging a prescription practically every other day. Dr. Lowe said Gilmore was an addict of the drug before he came under his care. The doctor agreed that Gilmore required supervision and very careful treatment. He understood that he had had no morphine whatever for ten days. Gilmore was sent to prison for six months, with a recommendation that he be released before that time should the prison doctor think fit.

Dublin

Under a recent Order made by the Free State Executive Council, a duty of 40 per cent. *ad valorem* has been imposed

on dressiug cases, toilet cases, pouches, purses, card cases, and similar goods made of real or imitation leather or skin.

P. C. Cahill & Co., Ltd., 15 North Lotts, Dublin, have been appointed wholesale agents in the Free State for Solport Brothers, Ltd., London, and are now carrying a full range of the powder puffs and other toilet sundries manufactured by this company.

Miscellaneous

REGISTER OF COMPANIES.—The "Belfast Gazette" of September 10 notifies that at the expiration of three months the name of Girvan's Pharmacy, Ltd., will be struck off the register of companies in Northern Ireland unless cause is shown to the contrary.

A correspondent (13/9) writes:—"In view of the October election for councillors and of the negative result this year for the Fairchild Pharmaceutical Scholarship from Ireland, I think just now an opportune time to draw the attention of the Irish Societies—North and South—to the matter, hoping . . . for at least half a dozen candidates from Ireland next year."

BUSY PHOTOGRAPHIC SEASON.—Good weather coupled with a big influx of tourists gave photo finishers in the Free State the best summer they have had for years. One large Dublin finisher speaking on the excellent business done said, "Although we did not cut our prices in any way this August was the biggest month's D. and P. trade we have yet had. Many of our staff were obliged to work overtime all through the month, but despite this we were a day behind in deliveries. Other dealers who kept up their prices to an economic level have had the same experience, so that the price cutters only succeeded in injuring themselves. Our reliance on quality against cheap and for the most part inferior work has been justified by the public's patronage."

Scottish Notes

Glasgow and West of Scotland

The fifteenth Glasgow Corporation Housing and Health Exhibition will be opened in the Kelvin Hall, on September 29, by Sir John Stirling Maxwell, Bt.

September 27 will be observed as Glasgow Autumn Holiday, when wholesale and retail chemists' establishments will be closed. Only one delivery of letters and parcels will be made.

Miscellaneous

PROPOSED REGULATION OF TRADING CONDITIONS.—In pursuance of a mandate to shape a policy for the regulation of wages and conditions in the retail distributive trades in Scotland, a meeting of the Joint Committee was held in Edinburgh recently. A further meeting will be held in October.

SCOTTISH INSURANCE COMMITTEE'S CONFERENCE.—The twenty-fifth annual conference of the Scottish Association of Insurance Committees, which is being held on September 24 and 25 at Oban, is to receive a memorandum dealing with the proposed transfer of the insurance service to local authorities. The memorandum states that the proposals visualise an extension of the existing service to cover the dependants of the insured, together with the sick poor. The service will be linked up with public health services. The memorandum calls attention to the reservation of five members of the Departmental Committee, who pointed out that the relationship to-day between committees, societies, doctors and chemists in Scotland is of a most friendly nature, with resultant smoothness of working which could not be improved. The Insurance Committee had limited powers, but it was inexpensive and no saving could be effected by transferring its functions.

Topical Reflections

By Xrayser

Your "Christmas Gift" Issue

of last week is a reminder of the nearness of the festive season and of the necessity for the pharmacist to select his gift requirements in good time. This choosing of articles for sale at Christmas is a bewildering job. No matter how carefully it is undertaken, there is either some stock left over or else nothing like sufficient for the demand has been purchased (and it is seldom possible to get fresh supplies at the last moment). My own practice, if in doubt, was to purchase only articles which made an all-the-year-round appeal ; if I did not sell them at Christmas I managed to dispose of them at Easter or at other periods of the year. As a student of the development of what may be described as the toilet side of pharmacy, I am impressed more and more every year with the better presentation of the goods offered for sale at Christmas. Taking a glance backward I see as the only attempt at Christmas gifts sold by pharmacists a collection of boxes, more or less artistic, some lined with coloured corrugated paper, some with silk, and containing plainly got-up bottles of perfume. It is only during the past few years that the wealth of gifts, not only of perfumes, but of all kinds of toilet requisites as well, has become so noticeable at Christmas time in the windows of the pharmacist. You mention gifts for men as well as for women. The average woman does not usually expect to find gifts for her menfolk at the chemist's, or at least not to the same extent as the man does for his womenfolk.

It Must Be Disappointing

to the organisers of the meeting of pharmaceutical employees held at Bloomsbury Square on September 14 (p. 328) that less than a score made their appearance. What is the reason for this strange apathy? Is it because the average employee has no grievance that he can put into words ; or is it not more likely that the "shades of the prison house" are already closing in upon him and a myopia which restricts his vision to the carboys of his employer's window is already developing? It is true, as you point out, that neither the Pharmaceutical Society nor the National Pharmaceutical Union has much use for the assistant as such. He is usually welcomed at local meetings of the associations and branches of the Society, but my experience is that he does not often attend these. If he has grievances, they are usually inseparable from pharmacy as practised to-day ; he suffers equally with his employer. His hours depend upon the whims of the doctors on the local insurance panel ; his wages are determined by the type of business in which he works. I have usually found that the employer who is doing well pays his assistants reasonably. The Pharmacy and Poisons Act has no doubt given the registered employee a status which he has not enjoyed to the same extent before ; he or she is more in demand, and there are probably more posts open to-day than there are suitable people to fill them ; the demand for locums, for instance, during the past two or three months has been unprecedented, even men of over seventy having been pressed into service. Let employees take a more active interest in pharmaceutical politics, working for a day, not too far distant, I hope, when pharmacy will come into her own.

Your Correspondence Section

on pp. 353 and 354 contains some unusually interesting letters. First, I would like to thank Dr. Ernest J. Parry for his learned notes on frangipanni (upon which I briefly commented on p. 293) and also for his delightful article on p. 347 on "Perfumery ; Fantasies and Facts." Dr. Parry touches on the works of François Villon ; he has no doubt read that masterly sketch of him by Robert Louis Stevenson in "A Lodging for the Night." The letter on "Expense of the Society's School" is topical. Many shrewd thinkers have come to the conclusion that the Society should be an examining body only and leave the task of instruction to the universities and to the excellent schools teaching pharmacy. The "Future of the Drug Fund" is a topic of perennial interest ; your correspondent asks a pertinent question when he speaks of the apparent difficulty of finding enough money to finance the scheme for providing medicine for dependants.

Legal Reports

Pharmacy and Poisons Act, 1933.—At Hull Police Court, on September 16, Mr. Stanley Kirton, chemist and druggist, Savile Street, was summoned for having sold strychnine "neat" on four occasions. Mr. E. McManus appeared for the Pharmaceutical Society. Captain C. Dawson, for the defence, said his client's assistant had overlooked the relevant Rule. The total amount thus sold was only ʒiiiss. The chairman said the Bench did not look upon the case as any reflection on Mr. Kirton. Fines of 42s. on the first summons and 21s. on each of the others, with 42s. costs, were imposed.

At Nottingham, on September 15, J. Chambers & Co., Ltd., manufacturing chemists, Eastwood, were ordered to pay 42s. expenses and 4s. court costs on a summons alleging that they unlawfully used in connexion with the sale of goods by retail the title "chemists." A plea of "Guilty" was entered. For the Pharmaceutical Society it was stated that an inspector purchased friar's balsam and camphorated oil at the defendants' premises, over which was a sign describing the company as manufacturing chemists. The shop resembled a chemist's shop in that drugs were displayed. Mr. N. Robinson, for the defendants, said the business had been carried on since 1869, more recently as a company. There had been no other complaint. The firm were manufacturing chemists. The retail side of the business was abandoned eighteen years ago, and until that time Mr. Chambers was a member of the Pharmaceutical Society. When the inspector called a woman who served him did not realise that she was not allowed to sell retail. Mr. Chambers would put up a notice "Wholesale Only" in the shop.

Recovery of Costs.—At Southend-on-Sea Police Court, on September 17, the Pharmaceutical Society summoned Mr. William Desmond Noble, Eastern Esplanade, for the non-payment of £10 10s., costs of an unsuccessful appeal by the respondent to the Borough Quarter Sessions on October 23, 1936. The appeal was against a conviction by the justices. Mr. A. C. Castle, for the Society, said that after the appeal was determined the respondent gave notice of intention to appeal to the High Court, but never prosecuted that further appeal. Over a period of years he had frequently disregarded the Pharmacy Acts, and there was still owing a large sum which the Society did not propose to bother about now. The respondent had a good business. Mr. Castle asked the Bench to make an order for payment forthwith. The respondent offered to pay half within a month and the balance within another month. The Bench ordered that £5 5s. be paid by October 15 and the balance by November 12.

Interim Injunction Refused.—In the Vacation Court, London, on September 22, before Mr. Justice Simonds, Mr. Norman Daynes, K.C., supported a motion on behalf of Mason Pearson, trading as Mason Pearson Brothers, hairbrush manufacturers, Royal Victor Place, Old Ford Road, E., for an interim injunction in a passing-off action against Henderson Brothers, Ltd., hairbrush manufacturers, Wellington Road, E. Mr. Daynes said his clients were makers of hairbrushes which they had since 1914 sold in a distinctive carton. The defendants, some years ago, started selling hairbrushes in a carton which resembled the carton of the plaintiffs, but it was not until recently that the matter became serious to the plaintiffs. Their complaint was that it was a clear case of passing-off which was likely to injure their business. Mr. Kenneth Johnston, for the defendants, denied that there had been any attempt at passing-off. He said the defendants had continuously since 1926 sold their brushes in cartons under the name of Hygex. The cartons had distinctive features. Mr. Justice Simonds said that the evidence fell so far short of what was required to entitle the plaintiffs to the relief they sought that he must refuse to make any order on the motion, and the defendants would have the costs.

Gazette

Receiving Orders and Adjudications

Ward, V. A., 51A King Street Parade, Twickenham, Middlesex, chemist.

Winser, F. J., 109 Eton Avenue, Wembley, Middlesex, and 9A College Road, Harrow, pharmacist.

Company News

P.C. means Private Company and R.O. Registered Office

Smith & Wesley (Chemists), Ltd. (P.C.).—Capital £4,000. Objects: To carry on the business of chemists and druggists, etc. R.O.: "The Pharmacy," High Street, Downham Market.

Florogen, Ltd. (P.C.).—Capital £6,000. Objects: To acquire the business of a perfume and toilet requisite manufacturer carried on by F. C. Goddard at 132 Western Road, Mitcham, Surrey.

E. F. Seed, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, opticians, etc., and to acquire the business carried on at 92A Fishergate Hill, Preston, as "E. F. Seed."

Rona Laboratories, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical preparations, chemicals, etc. The first directors are to be appointed. Secretary: John A. Steemson, 19 Kyrle Road, London, S.W.11.

Rymo Products, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, perfumers, etc. Konstanty Stanislaw Rymowicz (known as Konstanty Stanislaw Rymo), permanent director. Solicitors: Harrington Noble & Co., Mansfield House, 376 Strand, W.C.2.

Enfield Chemicals, Ltd. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in coal-tar products, petroleum products, solvents of all kinds and wood distillates, chemical manufacturers, etc. The directors are: Oscar T. McKernan, 6 Braeside, Blackburn, director.

Immaculene Laboratories, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in skin foods and cleansers, stain and grease removers, manicure preparations, chemicals, disinfectants, etc. John F. Edwards, 40 Cotswold Road, Westcliff-on-Sea (director of Salvolene Lubricants, Ltd.), director. R.O.: 28 Basinghall Street, E.C.2.

Hydro-Plastics, Ltd. (P.C.).—Capital £21,000. Objects: To adopt agreements (1) with H. W. Hutton, and (2) with Edron Trust, Ltd., to acquire and develop patents for an invention relating to the emulsification of synthetic resins; to carry on the business of manufacturers of and dealers in plastics, moulding materials, resins, condensation solvents, gums, and synthetic materials of every description, etc. The first directors (to number not less than two nor more than seven) are not named. Solicitors: Clifford-Turner & Co., 11 Old Jewry, E.C.

Beechams Pills, Ltd.—Interim dividend on the deferred shares of 17½ per cent. in respect of the year ending March 31, 1938, warrants to be posted on September 30. This compares with 12½ per cent. a year ago and is payable on 1,186,875 deferred 5s. shares, compared with 1,050,000 deferred 5s. shares last year.

Aspro, Ltd.—A rise in profits for the year ended June 30, 1937, of £11,593 to £292,913 is reported. The previous trading period, however, was from the date of incorporation, May 20, 1935, to June 30, 1936. Depreciation absorbed £2,362, against £2,598, and after contributing £1,283 to the pension fund and deducting directors' fees there remains a balance of £288,675, which, with £10,583 brought in, makes a total of £299,258. The distribution for the year on the ordinary shares is raised 7½ per cent. to 32½ per cent., with a final dividend of 15 per cent. and a bonus of 7½ per cent. The directors also propose to increase the allocation to tax reserve from £65,374 to £75,000, while £50,000 is again placed to general reserve. This year a dividend equalisation reserve is inaugurated with an initial transfer of £20,000, which leaves £10,959 to be carried forward. Goodwill and trade marks are shown in the balance sheet at £800,000.

Pharmaceutical Society of Ireland

Council Meeting

THE September Council meeting was held on September 14 at 67 Lower Mount Street, Dublin, Mr. J. A. O'Rourke (president) in the chair. Other members of the Council present were Messrs. B. P. Hickey, P. C. Cahill, C. Cremen, D. W. P. Boyd, P. Brooke Kelly, J. Gleeson, P. J. Fielding, M. J. Kieran, Dr. J. A. Mitchell, Messrs. M. J. Parkes, D. Warwick, J. K. Whelehan, and Miss F. M. Flood.

Apologies for absence were received from Mr. F. J. Fitzpatrick, Mr. J. Duggan, Mr. J. T. Dwyer and Sir Thomas Robinson.

DEATH

THE PRESIDENT said his first duty was a sad one. Their honorary treasurer, Mr. Fitzpatrick, had suffered a sad bereavement in the unexpected death of his sister, and he moved that the Council express its deepest sympathy with Mr. Fitzpatrick on the loss he had sustained.

MR. HICKEY seconded the motion, which was passed in silence, all members standing.

CORRESPONDENCE

A letter was read from Mr. J. Gleeson thanking the Council for the resolution of sympathy passed with him in his recent bereavement.

The Secretary, Ministry for Justice, wrote: "I am directed by the Minister for Justice to inform you that the Minister for Local Government and Public Health has made an Order dated July 14, 1937, applying Section 1 of the Venereal Disease Act, 1917, to the County of Galway."

In connexion with the petition in the case of Joseph Kissane and Mary Kissane, convicted at Graiguenamanagh on April 7, 1937, the Secretary to the Minister for Justice wrote: "With reference to your letter of July 14, 1937, I am directed by the Minister for Justice to inform you that after full consideration of all the circumstances of the above case it has been decided that no mitigation can be granted of the penalty imposed by the Court."

A further letter was read from the Ministry of Justice intimating that the Minister approved of amendment of the Regulations affecting the School of Chemistry and the School of Botany and Materia Medica.

SCRUTINEERS ELECTED

On the motion of THE PRESIDENT, seconded by MR. HICKEY, Mr. D. Warwick and Mr. J. V. McKeever were elected scrutineers of the ballot in connexion with the forthcoming Council elections.

REGISTRATION ITEMS

Mrs. Mary O'Mahony (*née* Wrixon), Ph.C., Rathfarnham, co. Dublin, and Mrs. Winifred Mary Dempsey (*née* Colgan), Ph.C., Kinsale, co. Cork, wrote submitting marriage certificates and requesting change of names in the Register. The applications were granted.

The following submitted Matriculation certificates and were granted Preliminary registration: Misses A. M. Cogan, E. Connolly, K. T. Mulcahy, M. E. Naughton, N. P. J. Fleming, E. M. Mockler, Messrs. R. E. Healy, J. C. Minihan, D. B. M. O'Connell, C. J. O'Leary, and D. J. Cullen.

The following changes of address were notified:—

Mr. J. P. Crowe, M.P.S.I., from 16 South Richmond Street, Dublin, to 61 Glasthule Road, Dun Laoghaire. Mr. F. W. Brittain, L.P.S.I., from Pentland, Greenisland, co. Antrim, to 54 Berkeley Street, Glasgow, C.3. Mr. G. W. Ellis, L.P.S.I., from Medical Hall, Doon, co. Limerick, to 6 Corrig Avenue, Dun Laoghaire. Mr. F. X. Fitzgerald, L.P.S.I., from 132 O'Connell Street, Limerick, to 6 Verona Esplanade, O'Connell Avenue, Limerick. Mr. L. Grass, L.P.S.I., from c/o Dr. Gordon, Neu, Zinberg, S. Africa, to 61 Kloof Street, Cape Town. Miss S. E. P. McHenry, L.P.S.I., from 1 Belmore Terrace to 23 High Street, Enniskillen, co. Fermanagh. Mr. S. D. McKinley, L.P.S.I., from 72 Connsbrook Avenue, Belfast, to Sandymount, Glenmanus Road, Portrush. Mr. I. R. Mackey, L.P.S.I., from 33 Eglington Street to 51 Hopefield Avenue, Portrush. Mr. A. Montgomery, L.P.S.I., from 301 Ryrie Building to 176 St. Clair Avenue, E. Toronto. Mr. A. E. Orr, L.P.S.I., from 1 Eglantine Gardens to 2 Eglantine Avenue, Belfast. Mr. J. Reid, L.P.S.I., from Mount Street, Ballymena, to 67 Scotch Street, Dungannon. Mr. P. Smyth, L.P.S.I., from c/o McGrotty's Medical Hall, Ennistymon, co. Clare, to c/o 150 Church Road, East Wall, Dublin. Miss E. B. McCabe, R.D., from 63 Park Street, Dundalk, to 1A Aungier Street, Dublin. Mrs. M. J. McNulty, R.D., from 56 William Street to 5 Upper Hartstonge Street, Limerick. Mr. R. S. Adair, R.D., from Spence's Medical Hall, Castleblayney, to 5 Monaghan Street, Newry. Mr. W. J. Busby, R.D., from 81 Duncairn Gardens, Belfast, to Glenariff, Ashley Park, Bangor, co. Down. Mr. C. E. Byrne, R.D., from 34 Summerhill, Warrenpoint, to Dromore, co. Down. Mr. J. C. Cregan, R.D., from c/o J. Byrne & Co., Ltd., Clonmel, to c/o Bennett's Pharmacy, Moville, co. Donegal. Mr. J. Fields, R.D., from 73 Mountain View Street to 25 Elimgrove Street, Belfast. Mr. W. J. Gibson, R.D., from Montpelier to Montpelier House, Malone Road, Belfast. Mr. P. Gilchrist, R.D., from Killyconnan, Stradone, Cavan, to Kilnaleck, co. Cavan. Mr A. Gracey, R.D., from 7 Princess Street to 56 Church Place, Lurgan. Mr. R. J. Groves, R.D., from 9B Lower Abbey Street, Dublin, to "Robana," Downview Avenue, Belfast. Mr. J. J. Hannawin, R.D., from Main Street, Maghera, Derry, to High Street, Ballynahinch. Mr. H. Hayes, R.D., from 98 O'Connell Street to Wellesley Lodge, Limerick. Mr. G. Hennessy, R.D., from 7 Mt. S. Joseph's View to 5 Palace Anne Villas, South Douglas Road, Cork. Mr. J. Irwin, R.D., from Lacken, Ballybay, to Main Street, Dunmurry, co. Antrim. Mr. G. Johnson, R.D., from 81 Ravenhill Road, Belfast, to Craighall, Bloomfield Road, Bangor, co. Down. Mr. M. J. Lane, R.D., from 55 Roches Street, Limerick, to 1 Hayden Villas, Rosbrien. Mr. H. Marshall, R.D., from 11 Queen's Parade, Bangor, co. Down, to 23 Park Road, Belfast. Mr. P. Moynihan, R.D., from 20 Loughview to 31 Bandon Road, Cork. Mr. T. McDowell, R.D., from 37 Bellevue Street to 209 Shankill Road, Belfast. Mr. R. F. McHugh, R.D., from 17 O'Connell Street, Athlone, to 14 Cumberland Park, Acton, London, W.3. Mr. H. Nelson, R.D., from c/o Mr. S. Orr, R.D., Bow Street, to 10 Bow Street, Lisburn. Mr. W. Niblock, R.D., from c/o Mr. S. Niblock, Comber, to Bridge Street, Comber, co. Down. Mr. J. Speers, R.D., from Drumkirk, Comber, to Mill Street, Comber, co. Down. Mr. W. J. Stevenson, R.D., from Victoria Street to Grove Cottage, Newry Road, Armagh. Mr. W. F. Todd, R.D., from 8 Church Street to 2 Reid's Terrace, Coleraine. Mrs. E. C. MacNaughten, R.D., from The Drug Stores, Belturbet, co. Cavan, to 17 Upper Pembroke Street, Dublin.

REPORTS FROM COMMITTEES

The House, Law, Certificates and Declarations Committees' reports were submitted and approved.

Arising out of the report of the Certificates and Declarations Committee, THE REGISTRAR (Mr. J. J. Kerr) said he had a certificate from a Cork student stating that he had attended a course in theoretical chemistry of one hour a week from September to May. Out of a total of thirty-one lectures he had attended twenty-nine. The same student submitted a certificate of having attended lectures for twenty-nine out of thirty-one hours in botany during the same period. While that attendance complied with the letter of the law regarding recognition of schools, he (Mr. Kerr) wished to say that a student who took out courses of that short duration had not the smallest possible chance of passing the Society's Licence examination. It was impossible for a student to pass with a course of only twenty-nine hours in either of these subjects.

MR. BROOKE KELLY: I wish you would add that lectures are given with certain objects, but they are not our objects. Such lectures may fulfil the law but not the requirements.

THE REGISTRAR: They are carrying out the letter of the law, but evading the spirit.

MR. FIELDING said measures should be taken to prevent a recurrence of this sort of thing. The regulations should be amended.

DR. MITCHELL: Mr. Kerr says a student could not get through on such a short course.

THE REGISTRAR: I said on that course of twenty-nine hours. If a student takes that out and thinks it will satisfy the requirements, he is making a terrible mistake. I have mentioned this solely for the purpose of drawing students' attention to the matter.

REPORTS FROM EXAMINERS

The examiners to the Licence examination reported that twenty-four candidates entered for the examination, of which number one passed with honours, two passed, and one was referred in chemistry. The examiners to the Assistants' examination reported that thirty-five entered for the examination, of which number ten passed. One candidate entered for the Registered Druggist examination and failed.

DEATHS REPORTED

The registrar reported on the deaths of W. Dunphy, M.P.S.I., A. E. Pepper, L.P.S.I., G. A. C. Scott, L.P.S.I., T. G. Blair, R.D., A. T. Bright, R.D., J. Jefferson, R.D., N. Maguire, R.D. and J. P. McGrath, R.D.

THE SOCIETY'S PUBLICATIONS

THE PRESIDENT moved the following notice of motion standing in his name: "That the House Committee be requested to consider the question of effecting economies in the publication of the Calendar by issuing the laws and regulations concerning pharmacy as a separate publication."

THE REGISTRAR said considerable economies in the cost of printing could be effected if the laws and regulations relating to pharmacy, which had grown very much in bulk, were issued separately about every five years. Any changes during the interim could be included in the calendar annually.

DR. MITCHELL said he suggested a similar course ten years ago, but Mr. Watson, who was then president, objected.

MR. FIELDING thought it would be handier to have all the information pharmacists required in the one volume.

The motion was passed, the registrar undertaking to ascertain for the information of the House Committee the amount that would be saved by adopting the proposal.

ELECTIONS AND NOMINATIONS

Mrs. M. J. McLoughlin and Mr. W. V. Carvill were elected members of the Society.

The following were nominated for membership: Miss D. M. Kerrigan, Mr. T. J. McCabe, Mr. D. O'Sullivan, and Mr. J. Walsh.

CERTIFICATES SEALED

Licence certificates of the following were signed and sealed: Messrs. R. D. Arnold, M. W. Lawless, and L. V. Wilson.

THE REGISTRAR CONGRATULATED

At the conclusion of the business on the agenda MR. CAHILL said it had been suggested to him that they should refer to the honour recently conferred on their registrar (Mr. Kerr) at Lourdes, when the bronze medal of the Hospitalitie de Notre Dame de Lourdes was bestowed on him. He understood this was a distinction not easily gained. He moved that the Council congratulate Mr. Kerr on receiving this award.

MR. FIELDING: I have great pleasure in seconding. I intended to raise the matter.

THE PRESIDENT said he was amongst those who had the pleasure of seeing Mr. Kerr decorated at Lourdes. Few Irishmen had been awarded this medal, which was bestowed mostly on Belgian and French people.

THE REGISTRAR, acknowledging the Council's congratulations, said he felt the award of the medal was a great honour. He was proud to think he was associated with the first organised party of Irish pharmacists who went to Lourdes. He believed that owing to this visit they would have the credit of starting the movement to form an international association of pharmacists for this shrine.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held at 73 University Street, Belfast, on September 17, the president (Mr. S. Gibson) in the chair. The following were also present:—Messrs. S. H. Forrest (vice-president), James Glendinning, J. McDowell, John F. Grimes, S. S. Badger, William Martin, J. E. Connor, J. Trevor Nichol, Professor James Small, Professor E. B. Myers, Mr. Charles Abernethy and Dr. S. E. A. Acheson. The secretary (Mr. D. L. Kirkpatrick) was in attendance.

THE PRESIDENT welcomed Mr. Connor on recovering from his illness, and Mr. Connor returned thanks.

EDUCATION COMMITTEE

The minutes of the Education Committee of September 6 were adopted. In the minutes it was agreed that the Certificate of Apprentice to a Pharmaceutical Chemist should be granted to the following:—

Robert James Dixon, Glengormley; George Hayes, Belfast; Samuel Crauford Kerr, Belfast; David Adams Leitch, Ballymena; Basil McRoberts, Belfast; Harold Shaw Porter, Belfast. (Pharmaceutical Preliminary Examination, May 1937.)

George Wilson Kane, Portrush. (Senior Certificate Examination, Ministry of Education, Northern Ireland, 1936.)

James Arthur Laverty, Dungannon. (School Certificate, Joint Matriculation Board, July 1936.)

John Desmond Murphy, Lisnaskea. (Junior Freshman Examination, Trinity College, Dublin, 1937.)

Horace Herbert Spence, Londonderry. (King's Scholarship Examination, Second Division, Ministry of Education, Northern Ireland, 1936.)

It was agreed that the theoretical parts of the winter examinations be held on November 22 and 23 in the College of Technology, and the practical parts on November 30 and December 1, 2 and 3. Entries will be accepted up to and including October 30, or with an additional fee of 10s. 6d. up to and including November 6.

FINANCIAL STATEMENT

Mr. Martin presented the financial statement, and on the motion of DR. ACHESON and MR. CONNOR was accorded the thanks of the Council for his management of the finances of the Society during the year. It was decided that the statement should be printed and circulated.

ARRANGEMENTS FOR ANNUAL MEETING

On the subject of the annual meeting of the Society on October 4 it was decided that the meeting should begin at 3.30 p.m.

MR. FORREST asked if the attendance at the meeting was not better when it was held in the evening.

THE SECRETARY replied that the meetings held in the afternoon had proved that that was not the case. Monday was not the best day for the holding of the meeting, but as it was specified by the Act of Parliament that the date must be the first Monday in October, there was no alternative. The date of the annual meeting was a matter for amendment if and when new legislation might be proposed.

MR. MCGREGOR asked if anything could be done to make the annual meetings more attractive. Out of 500, he said, the attendance was usually about twenty-five.

THE SECRETARY said that last year tea was given, but since then it had been decided to incur other expenditure.

It was agreed that tea should not be provided. Mr. McGregor and Mr. McDowell were appointed scrutineers for the election.

OTHER COMMITTEES' REPORTS

The minutes of the Law Committee and the Finance Committee were passed.

Council Election

Mr. D. L. Kirkpatrick, secretary of the Society, sat at the offices in Belfast on September 20 to receive nominations for the annual election to the Council. The retiring members were Messrs. Charles Abernethy (Belfast), S. S. Badger (Magherafelt), S. H. Forrest (Bangor), and J. T. Nicholl (Belfast) (pharmacists); and Mr. J. F. Grimes, R.D. (Pomeroy). No other candidates were nominated, and the retiring members were all declared elected. Mr. Forrest is vice-president of the Society, and Mr. Badger is a past-president.

NEW FACTORIES IN INDIA.—It is announced that Imperial Chemical Industries, Ltd., propose to launch a company and to establish factories in India for the manufacture of certain products.

SPORT ITEMS.—Cupal C.C. are the new champions of Blackburn Mid-Week League. Cupal earned the honour in face of keen rivalry by consistent form.—For the third successive year Parkinson's Cricket Team, champions of Burnley Works' Sports League, Central Division, have won the St. John Ambulance Cup.

Drainage of Trade Premises

By Lex

THE Public Health (Drainage of Trade Premises) Act, 1937, is an important statute which amends the Public Health Act of 1936 before it has actually come into operation, and deals exclusively with the relations between local authorities and manufacturers who wish to discharge effluents from their works into sewers belonging to the local authority. The Act is obviously aimed at the more effective purification of rivers and streams from chemical effluents which destroy fish and cause complications by chemical action and reaction in various ways. The following is an epitome of the principal provisions of the Act.

Section 7 of the Rivers Pollution (Prevention) Act, 1876, which was directly aimed at chemical effluents, was repealed by the Act of 1936 but reappeared in an enlarged form in Sections 26 and 27 of that Act. Section 26 is in turn repealed, and in its stead appears Section 2 of the Public Health (Drainage of Trade Premises) Act, providing as follows:—

No trade effluent shall be discharged from any trade premises into a public sewer of a local authority otherwise than in accordance with a written notice (hereafter in this Act referred to as "a trade effluent notice") served on the local authority by the owner or occupier of the premises, stating:

(*a*) the nature or composition of the trade effluent,
(*b*) the maximum quantity of the trade effluent which it is proposed to discharge on any one day, and
(*c*) the highest rate at which it is proposed to discharge the trade effluent;

and no trade effluent shall be discharged in accordance with such a notice until the expiration of the period of two months, or such less time as may be agreed to by the local authority, from the day on which the notice is served on the local authority (hereafter in this Act referred to as "the initial period").

Powers of Local Authorities

Where a "trade effluent notice" in respect of any premises is served on a local authority, the local authority may, at any time within the initial period, give to the owner or occupier, as the case may be, of those premises a direction that no trade effluent shall be discharged in pursuance of the notice until a specified date after the end of the initial period: and upon giving consent, the local authority may impose conditions as to:

(*a*) The sewer or sewers into which any trade effluent may be discharged in pursuance of the trade effluent notice,
(*b*) the nature or composition of the trade effluent which may be so discharged,
(*c*) the maximum quantity of any trade effluent which may be so discharged on any one day, either generally or into a particular sewer,
(*d*) the highest rate at which any trade effluent may be discharged in pursuance of the trade effluent notice, either generally or into a particular sewer, and
(*e*) any other matter with respect to which by-laws may be made under the Act.

When a local authority is served with a trade effluent notice, it must send a copy "to any interested body" and take no action without the approval of all such bodies. By an "interested body" is meant any other local authority into whose sewers the effluent may make its way, or any harbour authority or conservancy authority into whose waters it may be discharged from the sewer into which it is first emptied.

The consent of a local authority to the discharge of any trade effluent from any trade premises into one of its sewers is not to be necessary if any trade effluent of the same nature or composition as that of the trade effluent in question was lawfully discharged as aforesaid from those premises into that sewer at some time within the period of one year ending on March 3, 1937, so long as:

(*a*) the quantity of the trade effluent discharged from the premises into the sewer on any one day does not exceed the maximum quantity thereof so discharged on any one day during the said period, and
(*b*) the rate at which the trade effluent is discharged from the premises into the sewer is not higher than the highest rate at which it was so discharged during the said period, and
(*c*) where a payment has been made in the past under an agreement and it is intended to continue the payment.

Similar conditions apply to make consent unnecessary where the local authority has substituted a new drain or sewer for one previously used for trade effluent.

An appeal from the refusal of a local authority to give consent to the discharge of trade effluent, or against any conditions attached to consent when given, lies to the Minister of Health, whose decision will be final unless it involves some special point of law, and then appeal will be to the High Court.

Powers of the Minister of Health

The Minister is empowered to cause any local authority which fails to do so on its own initiative to make by-laws (known as "trade effluents by-laws") which will provide for all or any of the following:

(*a*) for determining the period or periods of the day during which the trade effluent may be discharged from any trade premises into the sewer;
(*b*) for requiring the exclusion from the trade effluent of all condensing water;
(*c*) for requiring that, before the trade effluent enters the sewer, there shall be eliminated from the effluent any such constituent thereof as may be specified in the by-laws, being a constituent as to which the authority making the by-laws is satisfied that it would, either alone or in combination with any matter with which it is likely to come into contact while passing through any sewers:
  (i) injure or obstruct those sewers, or make specially difficult or expensive the treatment or disposal of the sewage from those sewers, or
  (ii) (where the trade effluent is to be, or is, discharged into a sewer having an outfall into any harbour or tidal water or into a sewer which connects directly or indirectly with a sewer or sewage disposal works having such an outfall) cause or tend to cause injury or obstruction to the navigation on, or the use of, the harbour or tidal water;
(*d*) for determining the maximum quantity of the trade effluent which may, without the consent of the local authority, be discharged from any trade premises into the sewer on any one day, and the highest rate at which the trade effluent may, without such consent, be discharged from any trade premises into the sewer;
(*e*) for regulating the temperature of the trade effluent at the time when it is discharged into the sewer, and for securing so far as is reasonably practicable that the trade effluent, when so discharged, shall be neutral, that is to say, neither acid nor alkaline;
(*f*) for requiring payment for the reception of effluent in certain circumstances;
(*g*) for the provision of an inspection chamber to enable samples of what is passing into the sewer from the premises to be taken; and
(*h*) for the provision and maintenance of meters.

All such by-laws require the consent of the Minister of Health; but provision may be made for their relaxation or dispensation in particular circumstances.

By Section 7 of the Act it is provided that a local authority may enter into and carry into effect an agreement with the owner or occupier of any trade premises within its district for the reception and disposal by the local authority of any trade effluent produced on those premises. Such an agreement may provide for the construction by the local authority of such works as may be necessary for the reception or disposal; and the owner or occupier may agree as to sharing the expenses thus incurred by the local authority.

Trade Notes

BURROUGH'S GINGER WINE.—Messrs. Jas. Burrough, Ltd., Lambeth, London, S.E.11, inform us that their Gold Medal ginger wine (*C. & D.*, September 18) contains the proportion of spirit usually met with in a wine of this type and is not correctly described as non-alcoholic.

EPSOTABS is the title applied to a new laxative product issued by Epsotabs, Ltd., 59/60 Chancery Lane, London, W.C.2. These tablets are described as a compound of Epsom salts in sugar-coating. They are issued in packages of two sizes, and there is a special introductory bonus offer in addition to a generous supply of free sample packages.

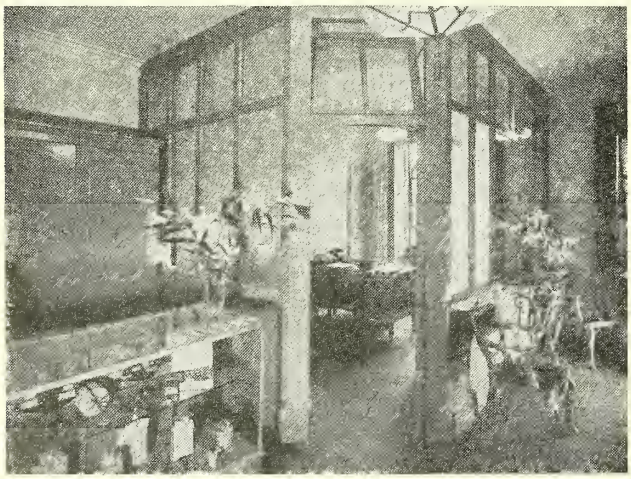
MARSHALL'S MALTED MILK.—In return for chemists' co-operation, Marshall's Malted Milk, Ltd., Cedars Road, London, S.W.4, are offering a special bonus on their malted milk product. An extensive national advertising programme starts this month, and chemists are invited to write for show material and make a special window display. Full details of the bonus offer may be obtained on application.

1938 MEDICAL GUIDE.—We have received from Ucal, Ltd., Cheltenham, an advance copy of the Ucal Medical Guide, which is available to chemists imprinted with their own name and address at reasonable charges. The contents include an alphabetically arranged index of diseases and treatment, and a topical article entitled "The Daily Dozen" directs the attention of the reader to physical culture. The booklet is printed in two colours, and consists of 64 pages. It provides an excellent aid for promoting the sales of Ucal products.

CHEMOTHERAPY OF STREPTOCOCCAL INFECTIONS.—This is the title applied to an informative brochure published by Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex. In this booklet is summarised the experience gained during the past eighteen months with Proseptasine and Soluseptasine, which are the names applied to the benzyl derivative of sulphanilamide. Soluseptasine is intended for administration by injection and Proseptasine, which is issued in the form of tablets, by the mouth.

LABORATORY CHEMICALS.—The British Drug Houses, Ltd., Graham Street, London, N.1, have issued their priced catalogue of B.D.H. laboratory chemicals. This catalogue is thumb indexed for convenience and reference, and is divided into six sections, which occupy a total number of 204 pages. In addition, the catalogue contains a list of new items which have been added to the present edition. Altogether, more than 5,000 items are indexed. A leaflet giving a list of growth-promoting substances issued by B.D.H. is now available, and copies may be obtained on application.

INSTA-PAK.—Marguerite Hoare, Ltd., makers of the Insta-Pak, the fifteen-minute beauty creator, have taken over larger



premises at 28 Bruton Street, London, W.1. The photograph shows a corner of the interior.

A BEFORE-SHAVING LOTION.—Smoo is the name applied to the new pre-shaving lotion introduced to soften tough beards and so bring comfort to men with sensitive skins. An intensive national advertising campaign is about to commence. The sole distributors are R. Hovenden & Sons, Ltd., 29/33 Berners Street, London, W.1.

GLAXO LABORATORIES, LTD., send the following notes:—Owing to increased demand Adexolin (vitamins A and D) Capsules have been substantially reduced in price.—A new 12-oz. size of Syrup Minadex has recently been introduced.—Some new display parcels are on offer, showing a profit on turnover of 33⅓ per cent. Three are to be available for adexolin liquid and capsules and ostocalcium tablets; another display parcel is to be available, for syrup minadex, which will provide the most advantageous method of securing stocks of the new size.

HYGIENIC TEATS.—Thomas Swales, St. Stephen's Road, Leeds 9, advertises in this issue two types of hygienic teats at competitive prices. These articles are packed in counter show boxes.

TOOTH BRUSHES.—A well-finished stand for toothbrush display is offered free with six dozen Addis toothbrushes assorted as explained elsewhere in this issue. Orders may be placed with the usual wholesalers.

SULPHONAMIDE-*p*.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, have recently issued Sulphonamide-*p* (*p*-amino-benzenesulphonamide) as a powder in bottles of 25 and 100 grams for use by oral administration and parenterally. This medicament was first introduced as a tabloid product.

VANILLA FLAVOURING.—A new flavouring product has been issued by Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool 19, in the form of Vanillets, which is the name describing vanillin tablets. They are packed in tubes of 12 and bottles of 60 tablets. A special introductory bonus offer is announced in our advertisement pages.

BULGARIAN PEPPERMINT OIL.—Stafford Allen & Sons, Ltd., Cowper Street, London, E.C.2, inform us that Botu D. Pappozoglou, Ltd., otto of rose distillers, have this year adapted part of their plant for the distillation of Bulgarian peppermint, and that, as their agents, Messrs. Stafford Allen are handling this Bulgarian oil. New crop oil, which is described as being of high quality, is on its way to this country.

HINDES BONUS SCHEME.—A bonus offer of one brush free in every half-dozen is made by Hindes, Ltd., 5 Great Queen Street, London, W.C.2. The scheme will be backed by an intensive advertising campaign in leading national weekly and monthly journals and women's magazines. A list of the brushes included in the scheme is given elsewhere in this issue together with prices and descriptions.

DISTRIBUTORS APPOINTED.—British & International Proprietaries, Ltd., Africa House, Kingsway, London, W.C.2, have been appointed distributors of Glyrosa jelly and powder cream, which is manufactured by H. A. Penney, Ltd., 3-5 Burlington Street, London, W.1. The electric clock offer in connexion with autumn bonuses on the articles they represent is extended to October 16. Full details may be obtained by any of our readers on request.

ADVERTISING ABROAD.—The managing director, Mr. G. I. Lloyd, of Export Advertising Service, Ltd., Windsor House, 83 Kingsway, London, W.C.2, who has been on an extensive tour in overseas British Dominions has now returned, and a completely comprehensive advertising service for exporters is now available. Agency representation can also be arranged. A list of the agencies abroad is given with further details in our advertisement pages.

Births

Notices for insertion in this column must be properly authenticated.

BIXTER.—At Roby Nursing Home, on September 19, Bessie, wife of W. L. Bixter, M.P.S. (of Prescot, Lancs), of a daughter.

Marriages

BAIRD—WATSON.—At Belmont Presbyterian Church, recently, Hugh Baird, M.P.S.N.I., to Sheila Stuart Watson, M.P.S.N.I.

BROWN—CUMMING.—At Dunfermline Abbey, on September 15, John Brown, M.P.S., Wick, to Christina Cumming.

BUCHANAN—LINDSAY.—At Clooney Parish Church, Derry, on September 16, John Buchanan, Ph.C., to Violet E. Lindsay.

BURSELL—BELCHER.—At Sixth Avenue Methodist Church, London, E., on September 18, by the Rev. A. Lawton, Frederick H. Bursell, M.P.S., F.S.M.C., Upton Park, E.6, to Kathleen Belcher, youngest daughter of Mr. H. Belcher, East Ham, E.6.

JOHNSON—STEVENS.—At the Church of the Ascension, Portsmouth, recently, E. B. Johnson, M.P.S., 63 Kingston Road, to Irene L. Stevens.

SMITH—PAUL.—At Bodmin Centenary Church, on September 16, Raymond Smith, M.P.S., Newquay, son of Mr. S. Smith, J.P., to Miss E. Paul, B.A., daughter of the late Mr. F. Paul, Grampound Road.

Deaths

ALLEN.—Recently, Mr. Laurence Allen, managing director of Epsotabs, Ltd., manufacturing chemists, 59-60 Chancery Lane, London, W.C.2, aged forty-eight. Mr. Allen recently came to England from Toronto, Canada.

RICHARDSON.—In a Carlisle nursing home, on September 16, Mr. William Richardson, Ph.C., 75 High Street, Annan. Mr. Richardson served his apprenticeship in Annan, and passed the Major examination in 1894. He afterwards bought the business of the late Mr. Boyd. He was an enthusiastic freemason, a keen bowler and a philatelist.

YOUNG.—At 35 Madeira Street, Leith, on September 20, Mr. Alexander Young, chemist and druggist. Mr. Young qualified in 1895.

Personalities

MR. H. W. GREENWOOD, M.P.S., Bideford, is Mayor-elect of the borough.

MR. THOMAS WILKINSON (director, The Distillers Co., Ltd.) has accepted the invitation of the board of management of the London Commercial Travellers' Benevolent Society to preside at its golden jubilee festival in London on November 12.

THE president of the North London Pharmaceutical Association is Mr. G. A. Steel, M.P.S., whose name was misprinted at the foot of a letter in our issue of September 18 inviting subscriptions towards a testimonial to Mr. Herbert Skinner, Ph.C.

MRS. HIGGS and the family of the late Mr. Alfred Higgs, J.P., M.P.S., Kingston-on-Thames, ask us to express their sincere thanks for sympathy extended to them in their bereavement. They trust that any friends whose inquiries have not been individually acknowledged will accept this intimation.

MR. T. O. BARLOW, Ph.C., who, as announced in the *C. & D.* of September 18, has disposed of his business at 2 Palmerston Road, Southsea, acquired this pharmacy over thirty years ago. Mr. Barlow has been an active member of the Portsmouth Chemists' Association since it was formed in 1909. He was president of the Association in 1915, and local secretary to the British Pharmaceutical Conference when it met at Portsmouth in 1911. For several years he was a member of the Society's London Board of Examiners, and candidates who passed through his hands will no doubt recall his "correct" but gentle handling. With Mr. Barlow pharmacy was a thing of prime importance and not a side-line. He was always willing to help a brother pharmacist with a pharmaceutical problem, and his advice was sound and ethical. The good wishes of his colleagues go with him in his retirement.

Business Changes

BOOTS, LTD., are opening a new branch in High Street, Harpenden.

TIMOTHY WHITES & TAYLORS, LTD., chemists, have opened a branch at High Street, Stourbridge.

GRIMWOOD & DE GEUS, LTD., merchants, are removing from Finsbury Court, E.C.2, to Moorgate Station Chambers, Moorfields, London, E.C.2, as from September 25.

Recent Wills

MR. JAMES WINDOW RUMSEY, 535 Lordship Lane, East Dulwich, London, S.E., chemist and druggist, who died on April 26 last, left £10,315, with net personalty £5,948.

MR. HERVEY LOWNDES BANKS, 110 Bramhall Lane, Stockport, Cheshire, chemist and druggist, who died on June 11 last, aged sixty-eight, left estate of the gross value of £11,668, with net personalty £10,016.

MR. STEPHEN STEELE, 209 Hughenden Road, North Wycombe, chemist and druggist, who died on February 2 last, aged eighty-three, has left estate gross value £2,767, with net personalty £1,952.

MR. HENRY (otherwise HARRY) DICKINSON, 33 Newton Drive, Blackpool, a representative of Southall Brothers & Barclay, Ltd., manufacturing chemists, Birmingham, who died on July 15 last, left estate gross value £7,966, with net personalty £7,070.

SIR CECIL HANBURY, M.P., Kingston Maurward, Dorchester, 41 Smith Square, Westminster, S.W., and La Mortola, Ventimiglia, Italy, Conservative M.P. for North Dorset since 1924, a partner in Ward, Hanbury & Co., china merchants of London and Shanghai, who died on June 10 last, aged sixty-six, son of the late Sir Thomas Hanbury, K.C.V.O., left estate "so far as can at present be ascertained" gross value £637,565, with net personalty £581,270, on which estate duty of £211,280 has been paid.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, September 27

Paisley and District Chemists' Association, Green Room, Clark Town Halls, Paisley (Door A), at 8 p.m. Address by Mr. W. Hamilton on "Air-raid Precautions and Gas Defence."

Tuesday, September 28

Thames Valley District Pharmacists' Association, Kingston Hotel, at 8.45 p.m. Supper (nominal charge 1s.). Open discussion on N.H.I. discounting and the C.F. scheme. Music.

Friday, October 1

South-West London Chemists' Association, Balham Club, Ramsden Road, S.W.12. Mr. J. F. McNeal on "The Future of Pharmacy and How We Can Shape It."

Waterloo, Seaforth and Crosby Pharmacists' Association, Jeffery's Café, South Road, Waterloo, at 8.45 p.m. Annual Report. Election of Officers. Rota.

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The age-old right of chemists to 'counter-prescribe' is preserved to them under Sec. 19 (1) (c) of The Pharmacy and Poisons Act, 1933.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

F/18. Baker's grape saline
C/23. Bitter's Asthma cure
C/20. Carbo-veg
C/23. Embassy cream
E/23. Lenvia syrup of figs
B/23. Normandin
W/20. Samofan-B
E/20. Selbroma
C/23. Smyth's pills (Bertiers)
A/21. Sobe food

THE
CHEMIST AND DRUGGIST
VOL. CXXVII September 25, 1937 NO. 3007

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Health and Industry

THE publication of the seventeenth annual report of the Industrial Health Research Board is a further reminder of the change in the Government's attitude towards industrial workers. It will be recalled that the Government recently announced its intention to encourage the promotion of improved physical condition of the country's youth. This decision has resulted in the appearance of other problems which, it may be added, are being tackled by the Research Board, which incorporates an imposing number of scientists and others interested in the welfare of workers. The Board is invited—

> "to suggest problems for investigation, and to advise upon or carry out schemes of research referred to them from time to time by the Medical Research Council, undertaken to promote better knowledge of the relations of methods and conditions of work, to functions of the human body, having regard both to the preservation of health among the workers and to industrial efficiency; and to take steps to secure the co-operation of industries in making widely known such results of this research work as are capable of useful application to practical needs."

In brief, the work of the Board is designed to develop the capacity of the individual to resist the onset of certain diseases and to enable him to employ his hours of leisure to fuller advantage.

The report gives amongst other matters a detailed summary of the work in regard to environmental conditions, physiology and psychology of work, accidents and occupational fitness, sickness absence and labour wastage. Under these headings come subsections in which an examination of lighting and vision is commented upon. An investigation to determine the effects of correcting errors of refraction on the comfort and capacity of persons doing prolonged critical visual tasks in industry has been further extended. It is of interest to note that of 150 persons already examined, 41⅓ per cent. required correcting glasses for their work, 15⅓ per cent. might have their vision slightly improved by wearing glasses, while 43⅓ per cent. either had no errors of refraction or were already wearing suitably correcting glasses. The effects of noise in regard to deafness and of dust are also reported upon. A report is now in the press embodying the results of investigations into the toxicity of volatile substances commonly used in industry. Heating and ventilation come under another heading, and an investigation of the rate of air change in dwellings is about to be undertaken. An interesting section of the report is given under the heading, "Physiology and Psychology of Work." Repetitive work, which now constitutes a major portion of industrial processes, is criticised. Of 355 workers assessed for boredom, 3 per cent. showed practically no symptoms, 33 per cent. were slightly affected, 38 per cent. experienced a moderate degree, 23 per cent. suffered severely, and 3 per cent. were seldom free from boredom. It is possible that this may be in large measure set right by a classification of individuals according to occupations. The suggestion that gastric sickness is especially prevalent in omnibus workers arose during the transport strike in London, and it is of interest to note that omnibus drivers have a relative excess of gastric sickness of some 12 to 14 per cent. over the figure shown by the tramway drivers. It is emphasised that the special committee deliberately confined its attention to questions of incidence of gastric sickness, and the Board states that "they are glad to have been able to set on foot a scientific and detached investigation, and bring it practically to completion before the question became the centre of public controversy." Sufficient has been quoted to indicate the serious attempt which is being made to solve the problems of industrial ill-health; and although progress may be slow, it is reasonable to assume that there may be a decline in the demand for National Health medicines. It would, however, be unwise to expect any revolutionary change.

Another indication of change is seen in the suggestion of the Committee on Scottish Health Services to the effect that insurance service be transferred to the local authorities. This proposal has been made the subject of a memorandum prepared for the twenty-fifth annual conference of the Scottish Association of Insurance Committees, to be held at Oban on September 24 and 25. The proposals visualise the extension of the existing service to cover dependants and others in like economic circumstances to the insured. In the report it is assumed that the service would be linked up with the public health services so as to secure the assistance to the general practitioner of clinics and diagnostic and laboratory facilities. Further arrangements would be made for institutional treatment. The main argument for the change was that the family physician should be brought into a more intimate relationship with the public health authorities and that the population, from cradle to grave, could count upon the care of a medical adviser. The Committee, however, is to signify opposition to this recommendation. Meanwhile, the demand for drugs grows apace. The total expenditure from the drug fund in Scotland during 1936 was approximately £188,500, compared with £180,471 during 1935. If, as is to be deduced from the evidence, prolongation of life is accompanied by greater demands for medical treatment, then, under the present terms of payment for chemists' labour, the outlook from the trade point of view is far from promising.

Trade Continues to Expand

THE Trade and Navigation Accounts for August and the first eight months of this year record that all branches of our seaboard trade continue to expand. Imports of all classes of merchandise in August were over £1,000,000 more than in the preceding month, despite the fewer working days, and were over £20,000,000 in excess of the landings of August, 1936, an increase of 31 per cent. Our total exports for the month were up by more than £7,000,000 compared with the corresponding month of 1936 and the 1937 figures for the eight months period show an increase of slightly more than £53,000,000 and re-exports are over £12,000,000 more than in 1936. The net result is that our adverse trade balance for the eight months is now £258,000,000, which is £47,000,000 over the corresponding figures at the end of August, 1936.

All Classes of Merchandise	Imports	Exports of U.K. Goods	Total Exports including Re-exports
	£	£	£
August, 1937 ...	86,659,083	42,546,205	49,233,305
August, 1936 ...	66,055,677	35,258,115	39,684,090
August, 1935 ...	59,146,232	34,882,955	39,068,516
January–August, 1937	654,374,867	341,438,902	395,640,211
January–August, 1936	536,565,065	283,170,234	324,979,829
January–August, 1935	479,044,678	277,736,951	314,480,660

The chief classes of our imports continue to be foodstuffs of all descriptions, mainly from the Empire, with raw and semi-raw materials next in importance.

The returns for the class "Chemicals, Drugs, etc." continue on much the same lines as in former months of this year, shipments, landings and the entrepôt trade all showing increases for the month and eight months periods. Imports from all destinations are now averaging well over one million a month, an increasing proportion of which is now coming from the Empire, principally Canada, who shipped goods of this class to the value of £407,295 during January–August. Imports from Germany continue to increase, totalling £2,688,552, which is £450,000 more than in January–August, 1935.

Chemicals, Drugs, Dyes and Colours	August			January–August		
	1937	1936	1935	1937	1936	1935
	£'000	£'000	£'000	£'000	£'000	£'000
Imports	1,123	1,006	975	8,765	7,974	7,189
Exports of U.K. manufacture	1,870	1,539	1,566	16,605	13,692	13,842
Re-exports	35·5	30·9	32·6	313·3	267·3	256·3

Shipments from the U.S.A. also show an increase of £350,000 compared with the eight months of 1936, the 1937 figures being £1,789,899. Imports from France, Switzerland and Belgium show but little fluctuation during the past three years, but our imports from Italy have jumped from £1,692 in January–August, 1936, to £134,100 in 1937. On the other hand, arrivals from Spain so far this year totalled only £73,503, against £132,144 in 1936. The chief purchasers of British "Chemicals, etc." during January–August, 1937, were India, £1,935,626; Australia, £1,326,504; Union of South Africa, £1,086,911; Canada, £775,756; and New Zealand, £577,340. The leading foreign country buyers were France, £601,218; China, £469,693; Sweden, £399,943; Holland, £397,151; Norway, £339,074; and Egypt, £308,349.

Rising Costs

IN our issue of April 17, 1937 (pp. 446/47) we published an authoritative article on "The Rising Costs of Production." During the six months that have since elapsed a number of developments have taken place which, individually, may seem of no importance and not likely to effect production costs, but when the cost of these movements, which are of a very miscellaneous character, is totalled up they provide at least good reason why the chemical manufacturer and the manufacturing chemist should check-up the position very carefully. In recent years competition has not permitted much margin to allow for slight increases in works costs and it may now be found that prices current only six months ago are to-day bordering on the uneconomic. Manufacturers are now faced with the cost of conforming to the new Factory Act Regulations, necessitating quite considerable outlays in some cases. During the past half-year the average price of their raw materials has certainly not cheapened; many instances may be cited where they have increased. Shipping freight rates and insurances are steadily on the increase; a typical instance is that notified this week of 25 cents on most goods, such as, for instance, on cascara sagrada, coming from the Pacific Coast. The Port of London have this week notified that they may be forced to increase their charges; it is rumoured that the increase may be as much as 12½ per cent. In another direction we hear that workers in the drug and chemical trades have applied, through their organisation, for a substantial increase in their wages. The world values of raw materials is, on average, two or three points higher than they were six months ago and evidence is not lacking that the cost of labour in this country is also on the up grade. The producer of manufactured products cannot be expected to ignore these changing conditions.

Belladonna in Parkinsonism

ON p. 368 of this issue will be found a brief account of a "Lancet" reference to the treatment of post-encephalitic parkinsonism by means of a decoction of Bulgarian belladonna root, a matter of topical interest in view of the announcement that an institution is to be established in Rochdale for patients suffering from this disease. As is well known, preparations of stramonium have been prescribed in cases of parkinsonism for several years past. The use of belladonna root from Bulgaria, however, raises further clinical problems, this root being normally of low alkaloidal content. Ingenious suggestions as to the reason or reasons for the success reported in connexion with the new treatment are made in the article mentioned. Among them are the presence of intermediate products of the alkaloidal group and the action of buffer substances. If these hypotheses prove to be unfounded it may be that hitherto unidentified alkaloid is the causative factor. A case for team-work by clinical units in up-to-date hospitals has clearly been made out.

APPROVED ARSENOBENZENE COMPOUNDS.—A new list (No. 35) of approved arsenobenzene compounds has been issued by the Ministry of Health.

WHEN LISTER STAMMERED.—Dr. W. Rushton Parker writes: "Stammering is a mere functional complaint like blushing and can be a grave handicap. When Lord Lister, in 1877, left Edinburgh for London I went to hear his introductory address, and I noticed at once that he was a stammerer, for I had been one myself in earlier days and understood the tricks; but I doubt if anybody else noticed it until he stumbled dreadfully over a difficult word, blushed crimson, and the latter half of the lecture became rather painful to listen to . . ." —"The British Medical Journal."

Industrial Health Research Report

THE seventeenth annual report of the Industrial Health Research Board has been issued (price 9d.) by H.M. Stationery Office. During the past year three additions have been made to the series of reports published by the Board, bringing the total to seventy-nine ; and another addition is in the press on the toxicity of industrial solvents, a subject of considerable importance in present-day industry.

The second section of the introduction to the report is devoted to the familiar topic of industrial fatigue in relation to conditions of work. A general statement may be quoted:—

"To what extent is fatigue in modern times due to monotonous performance of the same light manual operation thousands of times a day to the accompaniment of vibration, noise and bustle? When fatigue occurs in modern industry it may be due to the weariness of repetition or to an endeavour on the part of the slower workers to work beyond their physiological capacities, under the urge of incentives which are mainly financial. The fatigue is more often mental than physical, though it must be admitted that many occupations which appear intensely monotonous to the looker-on are not tiresome to the worker. Nevertheless, the work of the human machine cannot be ticked out in seconds as by a clock. It has rhythm, and the rhythm varies—work has its ups and downs—in tune to the pulse of physical and mental energy which itself rises and ebbs in accordance with the physiological laws governing the functions of all living organisms."

Noise

On the problem of noise the report states:—

"The possibility of securing suitable facilities for further investigation of the effects of noise, both in factories and offices, is still being explored. It may be said, however, about psychological effects of noise at work that through the past investigations made by the Board and others, including laboratory investigations, enough is probably now known of the kinds and intensities of noise that produce harmful distraction. It would seem that the present need is for investigations of a more clinical kind—inquiries directed towards the frequency and objectives of complaints about noise: in other words, the collection of subjective data from noise-sensitive individuals—the kind of individuals who complain that certain specific and inescapable noises are driving them to distraction. This collection of such data, combined with data obtained from a follow-up of each individual case in order to evaluate symptoms, not in terms of fatigue, which eludes measurement, but in terms of increased irritability, insomnia and the development of psycho-neurotic states of mind, appears now to be the most practical and valuable method of approach to the modern problems of noise. Such a line of approach is at present under consideration."

Temperament

Temperament creates, no doubt, problems of an even more subtle kind. After stating that Mr. J. N. Langdon has completed a research the report of which is being prepared, the report of the Board continues:—

"One or two conclusions of general interest may, however, be anticipated at this stage. A noticeable feature of the investigation was the choice of subjects who were all young men of the kind usually selected for training in managerial positions. The results of psychological tests and ratings of these men, and their comparison with similar results usually obtained from younger and less highly selected subjects, were therefore thought to be instructive. In one important respect the present results disappoint expectation, for perseveration . . . was found to be unrelated to any of the traits of temperament and character which were studied. On the other hand, a number of behaviour characteristics usually believed to indicate introversion (by which is meant a tendency to find satisfaction within one's own mind rather than in contact with external reality) were found to be considerably determined by a single common factor. Throughout the greater part of the field covered in this inquiry this factor appeared as a significant determiner of behaviour. Introversion thus appears as a genuine unitary trait of which the diagnosis can be valuable in predicting behaviour in general."

More than one reference to gastric disorders occurs in the report. The "gastric illness" of omnibus drivers and conductors is mentioned on pp. 21-22 ; and on p. 16 it is recorded that two investigations are in progress with the object of showing what relationship, if any, exists between the incidence of gastric ulcer and current stress or peculiarities of temperamental make-up. Other matters dealt with include hours of work, juvenile unemployment, and dust in reference to pulmonary disease. Although the number of reports published of late is relatively small, it is evident that systematic work is proceeding in several directions on the wide "front" undertaken by the Board.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1937, p. 338.

(From "The Trade Marks Journal," August 25, 1937)

"NADOLA" ; for all goods (3). By Parke, Davis & Co., 50 Beak Street, London, W.1. 578,644.

"RUB-A-DUB" ; for loofah gloves, etc. (11). By Solport Bros., Ltd., 84 Goswell Road, London, E.C.1. 578,011.

"STA-BLOND" ; for shampoos (48). By Stablond Laboratories, Ltd., 10 Henrietta Street, London, W.1. B573,172.

(From "The Trade Marks Journal," September 1, 1937)

"RANITE" ; for agricultural chemicals, etc. (2). By G. Hadfield & Co., Ltd., 146 India Buildings, Water Street, Liverpool, 2. 576,681.

"RIJAS" ; for veterinary chemicals (2). By A. J. E. Richards, 1668 Coventry Road, South Yardley, Birmingham. 577,446.

Emblem design and word "AXFM" ; for insecticides (2). By Fuerst Brothers & Co., Ltd., 17 Philpot Lane, London, E.C.3. 577,724.

"DINK" ; for veterinary chemicals (2). By Raybould, Whitehouse & Co., Ltd., Wellington Road, Dudley, Worcestershire. 577,868.

"SARSAX" ; for medicines for the blood (3). By Potter & Clarke, Ltd., Artillery Lane, London, E.1. 577,943/944. (Associated.)

"KOOLRAY" ; for medicated lotion for sunburn (3). By C. R. Harker, Stagg & Morgan, Ltd., 5 Emmott Street, Mile End, London, E.1. 578,174.

Shield device with word "GLANERVE" ; for medicaments for rheumatism, etc. (3). By A. E. Hodgson, 46 Grosvenor Gardens, London, S.W.1. 576,816.

Classical figure of woman; for medicinal chemicals (3). By Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove, Sussex. 578,206.

"LINOPHIL" ; for pills for treatment of piles (3). By E. E. Phillips, 14 Commercial Street, Nantymoel, Glamorganshire. 578,242.

"ALCOMAR" ; for medicinal chemicals (3). By British Ethical Proprietaries, Ltd., 3 Laurence Pountney Hill, London, E.C.4. 578,538.

Label design for "PEP-HALIN" ; for dentifrices (48). By I. Levin, Hygienic Research Works, 39 Kenninghall Road, Clapton, London, E.5. 576,917.

Design incorporating two birds with name "SHASHMIN" ; for perfumes for export (48). By Jago & Jerome, Ltd., Progress Works, City Road, Manchester. 577,209.

Circle with tree, log and letters "AN" ; for toilet preparations (48). By M. B. Allen, Trelogan, 281 Arundel Street, Portsmouth. 571,826.

Picture of head and shoulders of woman with hair emphasised and word "PERMALEX" ; for shampoo creams (48). By H. Francis, Permal Laboratories, Blundell Street, Hull. 577,130. (Associated.)

Bulgarian Belladonna

An interesting note on the use of Bulgarian belladonna root in the treatment of post-encephalitic parkinsonism has appeared in "The Lancet," September 11, 1937, p. 619. The history of this empirical treatment is connected with a hitherto obscure apothecary, Ivan Raeff, living in a small Bulgarian village. By his activity it has spread from its native Bulgaria to other countries, and finally, by the efforts and the bounty of the Queen of Italy, the Italian medical schools began to investigate its value. Its administration slowly lost the original form, various workers having reduced it to a scientific basis.

Examinations by di Mattei (1935) of Pavia and Tocco (1936) of Messina proved that the basis of the treatment is a belladonna root very different morphologically from other belladonna roots. Panegrossi described it as a "root of the Solanaceæ (mainly belladonna) from Bulgaria."

The fact is well known that the alkaloids of the solanaceæ group exert a very favourable influence and in some cases cause a dramatic recovery in patients suffering from post-encephalitic parkinsonism.

The problem as to why the decoction of the Bulgarian belladonna root is more efficacious than the other drugs or the pure alkaloid cannot yet be said to have been solved. It is, however, certain that the basis of the Bulgarian treatment is not atropine as such.

The results of these experiments support the clinical observations that the visible effect of the Bulgarian treatment is different from that of other forms of treatment. The question whether it is possible that the method of preparing the decoction gives rise to intermediate products of the atropine or the other alkaloids of the Bulgarian root remains unsolved. It seems that the difference between the methods of treatment is essentially due to: (*a*) the potentially stronger action of the decoction of the whole root ; (*b*) the possible presence of intermediate products of the alkaloidal group ; (*c*) buffer substances that serve to lower the toxicity, equalise absorption, and prolong the effect of the active principles.

From the point of view of exact science, one would certainly prefer the measurable doses of known active principles, and while some workers are still engaged in establishing this basis for the Bulgarian treatment also, others tend to attach more value to the drug *in toto* which—empirically, it may be—accounts for that greater tolerance, slower absorption, and thereby more prolonged action combined with lower toxicity.

Preparation and Dosage

The preparation of the decoction has been influenced by the original recipe of Raeff.

"Thirty grams of the root and rhizome of belladonna are macerated in 600 c.c. of dry white wine containing from 10 to 12 per cent. of alcohol. (White wine is chosen on account of its smaller tannin content, avoiding a heavy precipitation.) The maceration takes 5-6 hours and the liquid is then boiled for about 14 minutes, after which it is filtered through cotton-wool and the decoction so obtained stored in refrigerators. Various problems as to the length of maceration, the time of boiling which effects a reduction in volume and an increase in alkaloid content, will be dealt with at a later date."

The dosage is controlled entirely by clinical observations of the physician, and it is quite certain that it cannot be given without exercising the greatest care.

"Panegrossi in Rome starts with an extremely small dose, 2-3 c.c. being given at 11 p.m. This dose is increased every day by 1-3 c.c. until 20 c.c. are reached. The dose is then divided, half being given at 11 a.m. and half at 11 p.m. Again each dose is increased and finally decreased if necessary until an optimum dose is reached. We should say that 60 c.c. a day of the decoction for subjects otherwise healthy and without any hepatic, renal, or other gross organic disease can be safely given. In very serious cases the dose can be increased to 90 c.c., without any ill effect. In addition, dietetic and physiotherapeutic methods are used to enhance the effects of the decoction. The diet should be chiefly lacto-vegetarian, with no alcohol, coffee, or spices ; tobacco is also forbidden."

The decoction used has been prepared from roots purchased in Bulgaria.

Chemists' Exhibition

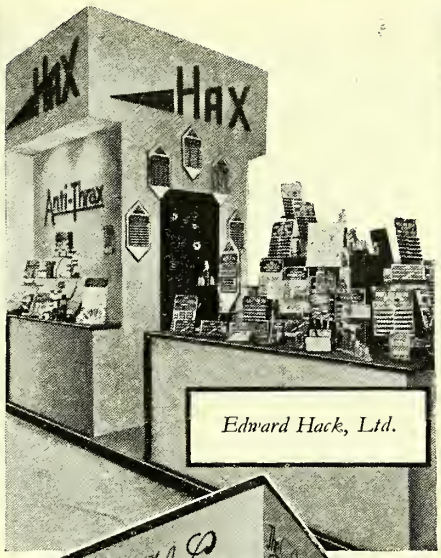
As we have already announced in The Chemist and Druggist this year's Chemists' Exhibition is being held at the Royal Albert Hall, London, S.W., from September 20-24. At the opening ceremony Mr. A. C. Merrin, editor of "The British and Colonial Pharmacist," occupied the chair and was supported by Mr. Guthrie, vice-chairman of the Pharmaceutical Society, Mr. Rowsell, member of the council of the Pharmaceutical Society, and Mr. W. J. Hardy, of Belfast. In declaring the Exhibition open, Mr. Guthrie said this event gave chemists opportunities of meeting, seeing and purchasing up-to-date pharmaceutical preparations. In recent years it had been the custom for the Exhibition to be opened by the president of the Pharmaceutical Society, and that shows the president and the Council were aware of what was interesting to members of the Society. The president, at the moment, is on holiday in the United States. Looking back over the past six years Mr. Guthrie felt that this year the event was being held in an atmosphere of better business generally. Signs of this improvement had given encouragement to the promoters of the Exhibition to launch out, and he expressed pleasure at the building in which it was being held. It was a pity, he said, that more pharmacists could not find it possible to attend, since the Exhibition was to some extent in the nature of a refresher course. Mr. Rowsell, who proposed a vote of thanks to Mr. Guthrie, said post-graduate education and refresher courses were very much in the air at the present time. The Minister of Health had been advocating the idea so far as the medical profession was concerned, and he, Mr. Rowsell, suggested to the Minister that it would be a good thing for National Health Insurance if pharmacists had refresher courses. Pharmacy alone does not produce a sufficient return for some members of the calling, and for this reason they had had to pay attention to the commercial side in order to get a living. It was not, perhaps, possible for pharmacists to obtain a refresher course on the professional side, but they could have one on the commercial side by attending the Exhibition. Mr. Hardy, Belfast, seconded the vote of thanks.

At the luncheon which followed the opening ceremony (Mr. Merrin in the chair), Mr. Mortimer proposed "Success to the Chemists' Exhibition." In a speech interspersed with pointed anecdotes he said the only way to judge the success of the Exhibition was by ultimate results, and it was noteworthy that on the whole the chemists who had been most successful in business were those who had attended the Chemists' Exhibition regularly. He said that it would be a good plan for chemists to bring their wives when attending the Exhibition, since the ladies would be able to advise them as to what would prove most popular for sale to the fair sex. Mr. Merrin, in responding, said the idea behind the Exhibition was the bringing into prominence of the goods supplied by chemists and druggists in business. In the early days, chemists were mainly associated with the supply of medical aids in one form or another, but to-day the chemist took a large share in the beautifying of His Majesty's subjects. The chemist has many difficulties to overcome, particularly in the way of restrictions and changing conditions, but there was nobody more ready to submit to regulations that were for the good of the community. Mrs. Jean K. Irvine, member of the Council of the Pharmaceutical Society, proposed the health of Mr. Guthrie, who, in the course of his response, said that he had attended either the first or the second Chemists' Exhibition. He expressed the best wishes of all present to Mr. W. P. Want, who was missing the Chemists' Exhibition for the first time. He understood that Mr. Want was enjoying good health in his retirement. The meeting concluded with a vote of thanks to the chairman, proposed by Mr. Melhuish, seconded by Mr. Moreton Parry, and carried with acclamation.

The Exhibition itself is definitely more attractive in its present venue. The names of the exhibitors and the products displayed have already been recorded in the *C. & D.*, pp. 305-307 and 315. A window-display judging competition is being conducted by the "B. & C.P.," competitors being invited to indicate the order of merit from the aspect of attracting trade to the retailer. Four money prizes are being awarded. An innovation this year is the showing of cinema films by Allen & Hanburys, Ltd., and British Cod-Liver Oil Producers, Hull, Ltd.; visitors will also be interested in the showcard gallery in the East Box vestibule.

Chemists' Exhibition, 1937

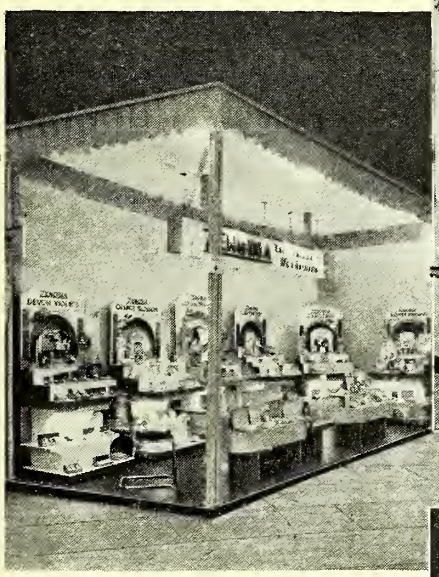
A. L. Simpkin & Co., Ltd.



Edward Hack, Ltd.

Scott & Bowne, Ltd.

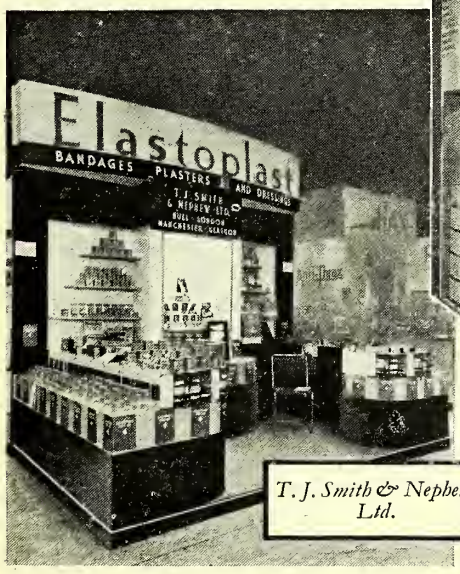
Scholl Mfg. Co., Ltd.



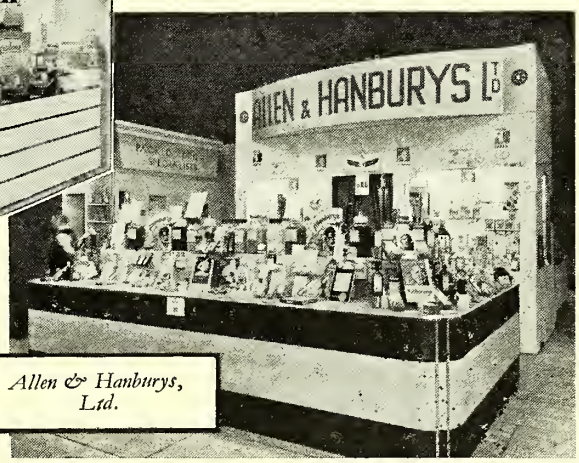
Zerobia, Ltd.

F. Maund & E. Berg (Showcases), Ltd.

Ru-Mari, Ltd.



T. J. Smith & Nephew, Ltd.

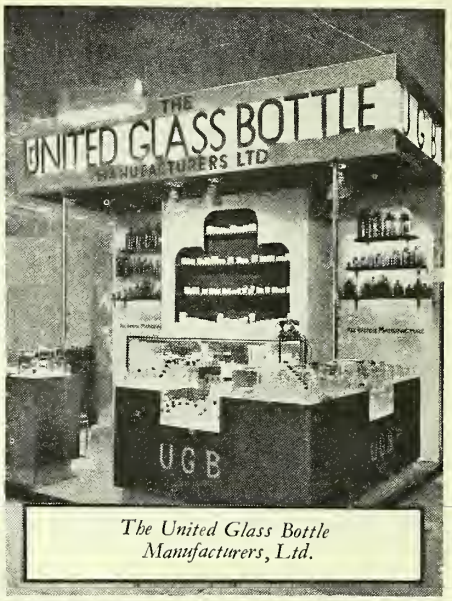


Allen & Hanburys, Ltd.

Chemists' Exhibition, 1937

Beatson Clark & Co., Ltd.

Ebe Products, Ltd.



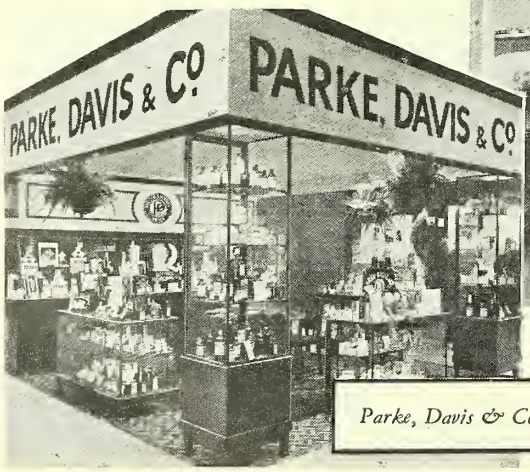
The United Glass Bottle Manufacturers, Ltd.

Souplex, Ltd.

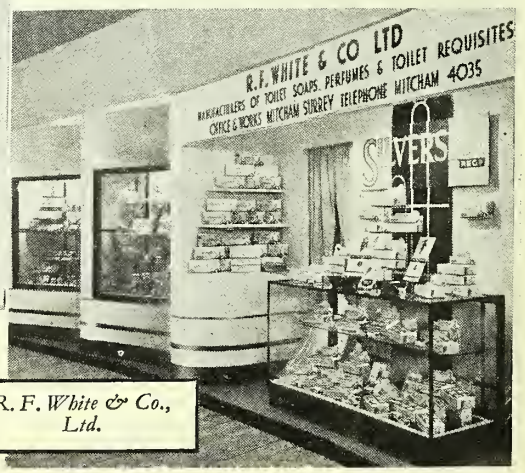
Ernest Jackson & Co., Ltd.

Burgoyne, Burbidges & Co., Ltd.

Seagift Turtle Oil Preparations, Ltd.



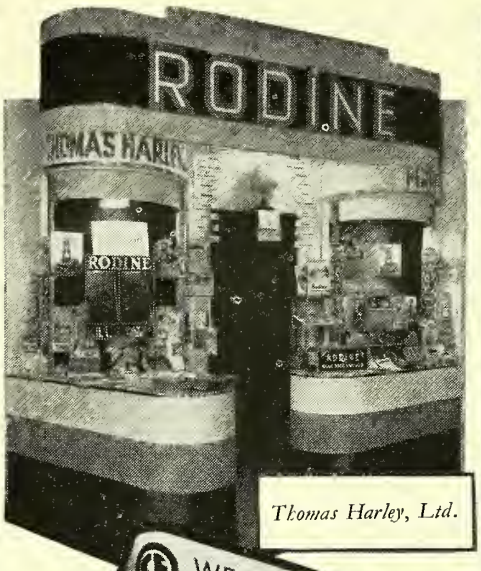
Parke, Davis & Co.



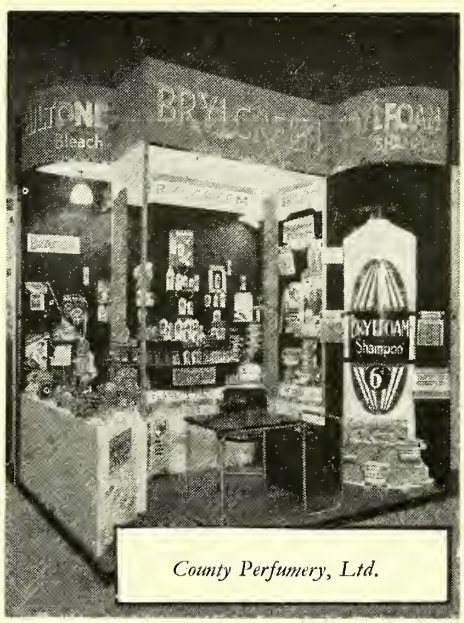
R. F. White & Co., Ltd.

Chemists' Exhibition, 1937

Howards & Sons, Ltd.



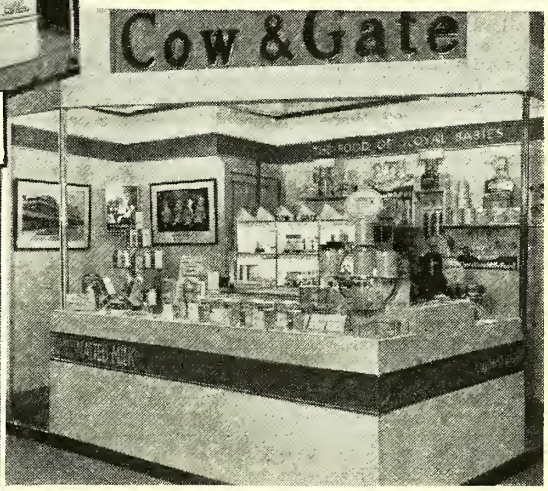
Thomas Harley, Ltd.



County Perfumery, Ltd.

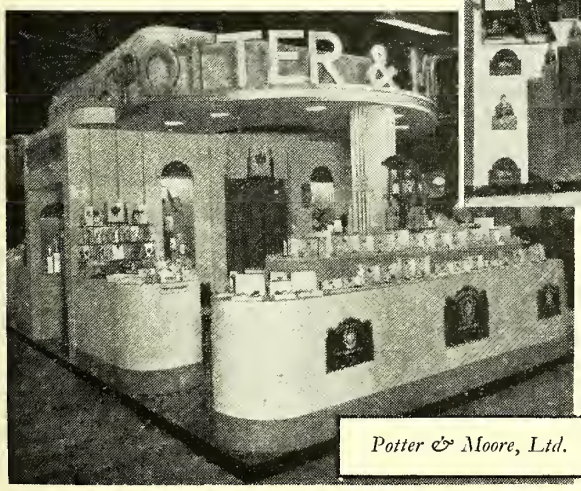
Westminster Laboratories Ltd.

Robert Gibson & Sons, Ltd.



Cow & Gate, Ltd.

G. H. Zeal, Ltd.



Potter & Moore, Ltd.

Meggeson & Co., Ltd.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, September 23

GENERAL CONDITIONS in the markets are fairly satisfactory as regards the volume of trade being transacted, and values, particularly of natural products, are fully steady at ruling prices. Following the decline in the value of the French franc last week, the exchange rate tends to be steadier, but it is evident by the attitude adopted by most French shippers that they have little confidence in the future stability of their currency. There is still an almost entire lack of offers, much less actual shipments of goods, from China, and an improvement in the position is not to be looked for yet awhile. Business in the PHARMACEUTICAL CHEMICALS markets has been no more than average, while values are steady and fully supported by the gradually rising costs of production, to which we refer editorially on p. 366. Famine prices are now being paid for EPHEDRINE, and there is practically nothing left to offer. SANTONIN is certainly steadier and the supplies available seem to be limited.

Crude Drugs

Curaçao ALOES continue firm and dear, spot and forward. CANADA BALSAM continues firm at good prices, and the shipment market is also firm. Japanese CAMPHOR has again sold well, spot and afloat, and the present shortage of supplies seems likely to continue for the time being. An advance in the shipment quotation for CASCARA SAGRADA would not be surprising. Norwegian COD-LIVER OIL continues firm for shipment. There is still no interest in ERGOT, and with nothing offering from the near Continental countries the market is quite neglected. Sudan GUM ACACIA tends steadier for shipment. Matto Grosso IPECACUANHA is a firm market. Spot values for LOBELIA HERB have improved. Japanese MENTHOL has sold well on spot and afloat, both for home trade and re-export, and values are fully steady on a short market. Values of PEPPERS are barely maintained on the week. PIMENTO has not maintained to the full the recent advances. Available supplies of RHUBARB are now reported to be negligible on spot ; there is a possibility of one or two shipments of ROUGH ROUND description being effected from Shanghai in the course of the next two months.

Essential Oils

Rather quiet conditions prevail in a number of products, while other items are selling fairly readily and at full prices. The extremely small supplies of ANISE (STAR) now available on spot are quoted at still higher prices and holders are not anxious to sell. Fair business in CASSIA on spot at better figures. Madagascar CLOVE tends dearer on spot, with practically nothing offered for shipment. Australian EUCALYPTUS is very firm, and a further advance for small spot parcels may be necessary. Algerian and Bourbon GERANIUM offering cheaply on spot. Quotations received for new crop LAVENDER are "without engagement." Shipment prices for Sicilian hand-pressed LEMON are a little cheaper, and at this level a fair business is reported on the London market. NUTMEG seems to be in limited supply. Little doing in French Guinea ORANGE. Japanese PEPPERMINT has sold briskly on spot and oil near afloat has also been in demand ; the general tone of the market is fully steady, particularly for spot and near oil. Stocks of genuine Spanish SPIKE and ROSEMARY are firm at good prices.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	September 16	September 23
Amsterdam	Fls. to £	12·107	8·99	8·97½
Berlin	Mks. to £	20·43	12·32	12·34
Brussels	Belgas to £	nominal	29·40	22·44
Copenhagen	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	110⅛	110⅛
Madrid	Ptas. to £	25·22½	nominal	nominal
Milan...	Lire to £	92·46	94	94⅛
Montreal	Dol. to £	4·86¾	4·94¾	4·95½
New York	Dol. to £	nominal	4·94¾	4·95½
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	146	144¾
Prague	Kr. to £	164·25	141⅝	141¾
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26½	26¾
Zurich	Fr. to £	25·2115	21·54	21·57

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A STEADY business is reported, with no change of importance to record. Ephedrine hydrochloride has reached famine prices. Salicylates are steady, with a little more inquiry on the market.

ACETANILIDE.—Values are steady at the recent increase: B.P. crystals and powder, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Convention prices continue at the recent reduction: two cwt., 8s. 10d.; one cwt., 9s. 1¾d.; less than one cwt., from 9s. 5½d. per lb.; powder, 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—Market remains dull: one cwt., 1s. 6½d. in 14-lb. tins ; 1s. 8d. in 1-lb. tins ; 1s. 10½d., in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady, average business reported: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2¾d.; 4 lb., 3s. 4¼d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton ; over six months, less than one ton.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000 ; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Convention prices steady, business slow: spot, two cwt., 8s. 9½d.; 56 lb., 8s. 11½d.; small parcels, up to 9s. 2¼d. per lb.

BENZOIC ACID (B.P.).—Market steady, fair demand: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices continue steady. Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb., net. Resale clause applies, 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

CITRIC ACID (B.P. CRYSTALS).—Quotations continue steady: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Market steady: British material 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Dealers report business quiet: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. to 2s. per lb., ex store.

EPHEDRINE.—Prices for the salts continue to advance, and this week it is reported that 15s. per oz. has been paid for HYDROCHLORIDE. The quantities available are now negligible, and it is reported that difficulty is being experienced in fulfilling contracts, on account of the shortage of supplies of raw material. The comparative price for the PURE would be about 19s. to 20s. per oz.

GLYCEROPHOSPHATES.—Makers' prices steady. Acid calcium (soluble), 28 lb., 4s. 6d.; 7 lb., 5s. Neutral calcium, B.P.C., 28 lb., 4s. 6d.; 7 lb., 5s. Potassium, 75 per cent., 28 lb., 2s. 9d.; 7 lb., 3s. 3d. per lb.; 28-lb. tins free, other packing extra.

HEXAMINE—Makers' prices for bulk quantities are steady: B.P. powder at about 1s. 2½d.; free-running crystals, from 1s. 3d. to 1s. 6d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, one cwt., 1s. 4d.; 14 lb., 1s. 8d.; smaller parcels, up to 2s. per lb., carriage paid.

IODIDES.—The agreed scale of prices for iodides, iodine and iodoform, as from August 9, is:—POTASSIUM, B.P.—1 cwt., 4s. 6d.; 28 lb., 4s. 9d.; 14 lb., 5s.; 7 lb., 5s. 6d.; 4 lb., 6s.; smaller quantities, 6s. 6d. per lb. SODIUM, B.P., 28 lb., 5s. 9d.; 14 lb., 6s. 1d.; 7 lb., 6s 7d.; 4 lb., 7s. 3d.; smaller quantities, 8s. 1d. per lb. IODINE, B.P., RESUBLIMED.—1 cwt., 5s. 4d.; 28 lb., 5s. 7d.; 14 lb., 5s. 10d.; 7 lb., 6s. 4d.; 4 lb., 7s.; smaller quantities, 7s. 9d. per lb. IODOFORM, B.P., CRYST. PRECIP. OR POWDER.—28 lb., 8s.; 14 lb., 8s. 4d.; 7 lb.,

9s.; 4 lb., 9s. 10d.; smaller quantities, 10s. 8d. per lb. Contracts for one cwt. and upwards (assorted if required) with fall clause, with delivery as required during four months. 28-lb. tins and one-cwt. cases free. All jars and bottles charged, but credited if returned carriage paid, in good condition, within three months. Assorted quantities are charged at the collective total prices. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made.

IRON QUININE CITRATE.—Makers' prices are as follows: not less than 100 oz., 10½d., in 100-oz. tins; 10¾d., in 25-oz. tins; 11d., in 16-oz. bottles; 11¼d., in 4-oz. and 8-oz. bottles; 1s. 0½d., in 1-oz. bottles; to 1s. 5½d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

MERCURIALS.—Makers' scales of prices for these salts are unchanged. CHLORIDE, B.P. (CALOMEL).—One cwt., 5s. 11d.; less than one cwt., from 6s. per lb.

METHYL SALICYLATE.—Fair inquiry, makers' prices unchanged: spot, ten cwt., 1s. 1¾d.; five cwt., 1s. 2d.; one cwt., 1s. 2¼d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—The home trade price is steady: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Convention prices unchanged: two cwt., 6s. 2½d.; one cwt., 6s. 5d.; less than one cwt., 6s. 8d. per lb. Powder, 2½d. per lb. extra.

PHENOLPHTHALEIN.—Only a modest business reported: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHOTOGRAPHIC CHEMICALS.—AMIDOL.—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. PYROGALLIC ACID, CRYST., 28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb. 8s. 3d.; under 7 lb., 8s. 9d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt.; 56 lb. for 11s.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 3d.; 1 lb., 1s. 6d. per lb., bottles and jars charged extra and non-returnable. SODIUM SULPHITE, RECRYST.—One cwt., 20s. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9¾d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 10½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

SALICYLIC ACID (B.P.).—Makers' quotations unchanged, some inquiry: five cwt., 1s. 7d.; 1 cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0¾d.; 4 lb., 2s. 2¼d. per lb.

SALOL.—Competitive and in quiet demand: crystals in the region of 2s. 6d. to 2s. 10½d. per lb., as to quantity.

SANTONIN.—The market is steady at the improved prices of £11 for large bulk quantities up to £14 per kilo. Supplies appear to be rather restricted.

SODIUM BENZOATE (B.P.).—Fair inquiry, quoted steadily: bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 7½d. up to 2s. per lb., as to quantity.

SODIUM SALICYLATE (B.P.).—Makers' scale of prices unchanged, fair inquiry: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

SULPHONAL.—Market is dull and rather competitive: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Market continues steady: British makers quote at 1s. 1¼d. per lb., less 5 per cent. discount. Dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3¼d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5¼d.; smaller quantities, 6s. 6¼d. per lb., delivered; five-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5½d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices are steady: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 6d.; less, 13s. 9d. per lb.

Crude Drugs, etc.

A report of the drug auction is given on p. 376.

AGAR.—Spot values unchanged, business quiet. Some good inquiry for new crop in bulk quantities, but buyers do not appear to be prepared to pay the price asked, namely, 2s. 9½d., c.i.f., January-February shipment. On spot, Kobe No. 1, 4s.; No. 2, 3s. 8d. to 3s. 9d. Yokohama No. 1, 3s. 9d. per lb., ex store. Shipment, Kobe No. 1, 3s. 6¼d.; No. 2, 3s. 2½d. Yokohama No. 1, 3s. 3d. per lb., c.i.f.

ALOES.—The shipment price for Curaçao continues firm at high figures, and there are very few offers. Cape is steady and unchanged: Cape, spot, 63s. to 64s., as to quality; shipment, 62s. 6d. to 63s. per cwt., c.i.f. Curaçao, spot, 120s. up to 140s. for livers; shipment, 127s. 6d. per cwt., c.i.f., was the last quotation.

ANTIMONY.—Recent advances are maintained: Chinese crude, spot, £45; shipment, October-November, £40, c.i.f. English regulus, spot, £92 10s. to £93 10s. per ton.

BALSAMS.—*Canada* continues firm at the recent advance at 4s. to 4s. 2d. per lb., and the shipment quotation fully supports these figures.

CAMPHOR.—Good demand on spot, with supplies short and fresh supplies are coming along very slowly on account of the restricted number of boats now sailing from the source: Japanese manufacturing BB grade, £8 10s. per 100 lb. Japanese, spot, tablets, 2s. 7½d.; powder, 2s. 3¾d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 3½d.; powder, 2s. 1d.; slabs, 2s. 0¾d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz., and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Dealers' prices are keeping steady: spot, Chinese, 2s. 5d. to 2s. 6d. per lb., as to quantity; shipment, October, 1s. 9d. per lb., c.i.f.

CARDAMOMS.—This market is firm, with supplies of all descriptions limited on spot: Green Aleppy tend dearer for shipment.

CASCARA SAGRADA.—Some sales, mostly of old peel, reported on spot. The shipment market is firm and freight rates have advanced 25 cents this week: shipment, 1937 peel, 46s. per cwt., c.i.f., with spot holders asking 58s. to 60s. per cwt.; 1934 peel, 65s. 6d.; 1935 peel, 67s. 6d. per cwt.

CHAMOMILES.—New crop flowers, first pickings, are quoted up to 165s. and seconds at 150s. per cwt., ex store, duty paid.

CLOVES.—Market has been quiet, values steady: Zanzibar, spot, 8¾d.; shipment, September-October, 7⅞d. per lb., c.i.f.; Madagascar, in bond, 8d.; shipment, September-October, 7⅜d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended September 18 were *nil*, and the deliveries 49, leaving a stock of 3,644. From January 1 to date the landings of Zanzibar have been 5,047 and the deliveries 3,109. Landings of Madagascar for the week ended September 18 were *nil*, and the deliveries 38, leaving a stock of 4,039. From January 1 to date the landings of Madagascar have been 5,267 and the deliveries 2,398 packages.

COCONUT (DESICCATED).—Fair business, with the market fully steady: spot, fine, 22s. 6d.; medium, 21s. 6d. per cwt.; shipment, halves, September, 21s. 6d.; October, 21s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports the shipment market continues firm, with a fair business being transacted: finest Lofoten steam refined, non-freezing medicinal oil, 107s. 6d. per barrel, c.i.f. London. Small lots, on spot, about 138s. 6d. per barrel, ex store, duty paid. British finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

ERGOT.—There are practically no shipment offers for new crop Spanish or Portuguese; at the same time, there seems to be no interest in the market: spot, Portuguese, 5s. 9d.; Russian, 5s. per lb., ex store.

GUM ACACIA.—Shipping offers from the Sudan tend to recover from recent weakness: Kordofan cleaned sorts, 50s. 6d. to 51s. per cwt., c.i.f.

HYDRASTIS.—Business has again been of little importance: spot, 13s. 3d.; shipment, new crop, 12s. 6d. per lb., c.i.f.

IPECACUANHA.—Market firm, with spot supplies limited and only occasional shipment offers: Matto Grosso, B.P. test, spot, 8s. 3d. to 8s. 6d.; shipment, 7s. 9d. per lb., c.i.f. One or two lots of root not quite up to standard at slightly lower figures on spot.

MENTHOL.—Quite a good business continues on spot, and supplies are still unusually small: K/S brands, spot, 13s. 9d. to 14s.; for in bond 12s. 3d. is now wanted, with only a small number of cases available. Japanese shippers quote September-October at 12s. and October-December at 11s. 9d. per lb., c.i.f. There are speculative resellers of the October-December position at 11s., c.i.f.

MERCURY.—Business quiet, values continue unchanged: London stocks available. Quoted at 67 dollars per bottle, f.o.b. Continent; spot, £13 10s. to £13 10s. 6d. per bottle, ex store.

OPIUM.—Fair business, market steady: Turkish, original cases of 170 lb., 12½-13 per cent., 1s. 1¾d.; Persian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

PEPPER.—Values are barely maintained on a dull market: Lampong, in bond, 3 1/16d.; shipment, October-December, 2⅞d.; January-March, 3 1/16d., c.i.f. Tellicherry, spot, 4¼d.; shipment, September-November,

36s., c.i.f. Aleppy spot, 4d.; shipment, September-November, 36s., c.i.f. White Muntok, in bond, 6d.; shipment, October-December, 4 3/16d.; January-March, 4⅜d. per lb., c.i.f.

PIMENTO.—The recent advances have not been maintained, market quiet: spot, 8½d. per lb.; shipment, September-October, 67s. 6d. per cwt., c.i.f.

RHUBARB.—There are only a few odd cases of rough round and Shensi available on spot, and prices are a matter of negotiation. We are advised from a reliable source that there are limited stocks of rough round in the warehouses at Shanghai, and that offers of September-October shipment have been made to the London market. Negotiations as to the price are now going on. Under present conditions difficulties are naturally being experienced in arranging shipment, and it is anticipated a higher price will have to be paid to cover the extra costs involved. There is no news of supplies coming down country to replace the present stocks in Shanghai. One or two parcels of Chinese Rhapontica on spot held firm from 9d. per lb., ex store.

RUBBER.—With rather more business, values are steadier at the fractional improvement: standard ribbed smoked sheet, spot, 8⅞d.; September, 8⅞d.; October, 8⅞d.; November, 8 15/16d.; December, 9d.; January-March, 9 1/16d.; April-June, 9⅛d. per lb.

SEEDS.—ANISE.—Spot, duty paid, Bulgarian, 40s.; Syrian, 37s. 6d. CARAWAY.—Dutch, spot, 34s. 6d., duty paid; 29s. quoted, f.o.b., Holland. CANARY.—Spot, Mazagan, 21s. 6d.; Turkish, 20s.; Plate, 19s. 6d.; Spanish, 27s. 6d. to 45s., according to quality. All prices quoted are duty paid. CORIANDER.—Market quiet: Morocco on spot is 27s. 6d., duty paid, and 25s., in bond. For shipment 24s. 6d., c.i.f., is quoted. CUMIN.— Spot, Malta, 46s., duty free; Morocco, 45s., duty paid. FENUGREEK.—Morocco is 13s. 6d., spot, duty paid; 10s. 6d., c.i.f., now quoted for September shipment. MUSTARD.—English is 22s. to 31s. per cwt., according to quality.

TRAGACANTH.—Fair business continues in No. 2 and 3 grades of the white gums, with values fully steady. Textile grades have remained in quiet demand, with values steadily maintained.

WAXES.—BEES'.—Business rather quiet, with values generally unchanged. Calcutta, bleached spot, 145s.; shipment, September-October, 140s.; ordinary quality, spot, 118s.; shipment, September-October, 110s., c.i.f. Abyssinian, 118s., in bond; no shipment offers. Benguella, spot, 122s. 6d.; shipment, September-October, 108s. 6d., c.i.f. Conakry, spot, 118s.; shipment, 115s., c.i.f. Dar-es-Salaam, spot, 127s. 6d.; shipment, September-October, 119s. 6d. per cwt., c.i.f. CARNAUBA.—Market continues subdued, values fairly steady. Fatty grey, spot, 172s. 6d.; shipment, afloat, 167s. 6d., c.i.f. September-October, 163s. 6d.; October-November, 160s.; November-December, 158s., c.i.f. Chalky grey, spot, 170s.; shipment, 155s., c.i.f. Primeira, spot, good quality, 220s.; f.a.q., 215s.; shipment, September-October, 200s., c.i.f. Mediana, spot, 210s.; shipment, 195s., c.i.f.

Essential Oils, etc.

A LITTLE more general business reported this week, and the general tone is fully steady. Anise (Star) is again dearer and very scarce. Sicilian hand-pressed lemon is rather cheaper at the source, with more business for this market. Japanese peppermint is fully steady and short on spot.

ALMOND.—Foreign oil tends slightly cheaper: English-made, cwt. lots, 3s.; smaller parcels, up to 3s. 6d. per lb.; foreign, cwt. lots, 2s. 10d.; smaller parcels, up to 3s. 3d. per lb. French, bitter, 6s. to 6s. 2d. per lb.

ANISE (STAR).—There has been a ready sale for spot supplies, and further increases in values are recorded. Practically nothing left on spot except a few odd lots of tins. No shipment offers from the source. Tins in cases would now be worth 5s. 4½d. to 5s. 6d., and any drums, up to 5s. 3d. per lb., ex store. The quantity of oil afloat and still unsold is stated to be quite negligible.

BAY.—Average small parcel business: 49 to 50 per cent., 4s. 7½d. to 4s. 9d.; 59 to 60 per cent., 4s. 9d. to 4s. 10½d. per lb., as to quantity.

BERGAMOT.—There is little of consequence to report here. Business has been very modest, with spot prices depending on the quality of the oil, and ranging from about 14s. 6d. to 15s. 9d. per lb., ex store. The shipment offers remain at about 15s. 4½d. to 15s. 9d., c.i.f. One shipper states 16s., c.i.f., is wanted, while another offer was at much below 15s., c.i.f.; the latter seems to be right off the market and is open to query.

BOIS DE ROSE.—The Brazilian oil, in drums, remains at 6s., with small repacked parcels up to 6s. 6d. Distant shipment position is offered now and again at fully supporting figures.

CAJUPUT.—Fair business, with values fully steady: B.P., 2s. 9d. to 3s. per lb., as to quantity; shipment unchanged at 2s. 4d., c.i.f.

CANANGA.—Remains very quiet; shipment market irregular: quoted from about 6s. to 6s. 4d., as to quantity; shipment about 5s. 11d. per lb., c.i.f.

CARAWAY.—Business quiet, market steady: Dutch rectified, 7s. 9d.; crude, 7s. 4d. per lb., landed and duty paid.

CASSIA.—It is now difficult to find a spot seller of good quality oil in leads at less than 3s. 4½d. per lb. No reliable prompt shipment offers.

CEDARWOOD.—Quotations for bulk quantities continue competitive; business quiet: African, in drums, 1s.; smaller packages, up to 1s. 3d. per lb. American, in drums, 1s.; smaller packages, up to 1s. 3d. per lb.

CINNAMON LEAF.—Moderate spot demand for repacked Ceylon oil, with prices ranging from 3s. 6d. to 3s. 9d. per lb., as to quantity.

CLOVE.—Spot values are rather dearer, and there is practically nothing offering from the source for shipment: Madagascar, spot, drums, nominal; smaller packings up to 4s. 3d. per lb.; shipment, 3s. 2d. per lb., c.i.f., was the last quotation. English distilled oil, cwt. lots, 5s. 6d.; smaller parcels, up to 5s. 9d. per lb., c.i.f.

EUCALYPTUS.—Continues in steady demand at full prices. It is difficult to locate supplies on spot of 80 to 85 per cent. oil. Australian, 70 to 75 per cent., 1s. 8¾d., in drums; 1s. 9½d., in tins; 80 to 85 per cent., 1s. 10½d. per lb., in drums, if available; higher prices for small lots on spot. Shipment, 70 to 75 per cent., 1s. 6d. in drums; 1s. 6½d. in tins; 80 to 85 per cent., 1s. 7½d. per lb., c.i.f., for September-October shipment.

GERANIUM.—Prices continue competitive and cheap on spot, with not much business moving. No firm shipment offers. Bourbon, spot, about 15s. Algerian, spot, about 14s. 9d. per lb., as to quantity and quality.

GINGERGRASS.—The shipment quotation is at about 6s. 7½d. per lb., c.i.f., October shipment only offering.

GRAPE-FRUIT.—Business quiet, quoted unchanged: Florida, 11s. to 12s. per lb.; Californian, 10s. 6d. to 12s. per lb., as to quantity.

HO (SHIU).—Some business reported on spot at full prices: "improved" quality oil, in drums, at about 4s. 3d., and holders not inclined to take less. Distant positions quoted for shipment, with the price at about 3s. 9d. per lb., c.i.f.

JUNIPER BERRY.—The spot quotations for genuine oil, B.P. quality, range from 3s. 6d. to 4s. per lb., as to quantity. Business has been quiet.

LAVENDER.—The unsteadiness of the French currency continues to overshadow this market, and, although indications of values for new crop are freely available, quotations are "without engagement." The source reports the lavender flower crop was a poor one this season and that the crop of lavandin was good, but the distillers are declining to quote at present. The average price indicated for a fine quality 38 to 40 per cent. oil is 17s. 6d.; and fine quality lavandin about 8s. 6d. per lb., landed.

LEMON.—The slightly better tone reported last week in the shipment market for Sicilian hand-pressed oil has not been maintained, and quotations are now back to about 10s. 10½d. to 11s. per lb., c.i.f., in good quantity. Rather more business is reported on the London market this week. On spot values range from 10s. 3d. to 11s. 3d. per lb., as to quality and quantity. Machine-made for shipment is quoted at 10s. 6d., c.i.f. Californian distilled, regular quality, 6s. 4d. per lb., ex wharf.

MANDARIN.—Market dull, quoted unchanged: spot, 23s. to 24s. 6d. per lb., as to quality; shipment, 23s. 6d. per lb., c.i.f.

NUTMEG.—Prices are fully maintained here and tend dearer on higher cost of raw product: quoted at 5s. 7½d. to 5s. 9d. per lb., as to quantity.

ORANGE.—Reports indicate that business in French Guinea oil on spot has been of little importance and values are difficult to define. Drums would be about 5s. 2d., duty paid; but buyers prefer to await news of next season's oil; shipment is neglected and nominal at 4s. 4½d. per lb., c.i.f. Sicilian sweet is quoted at 12s. 10½d., c.i.f., and bitter oil at about 9s. per lb., c.i.f. Tanganyika bitter oil, in drums, 8s. per lb., ex store. Californian, small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store.

PEPPERMINT.—A very good spot business continues, with some difficulty in meeting all orders for home trade and export. Several parcels are afloat, but practically all these supplies have been sold to consumers, and the spot shortage does not look like being relieved yet awhile: spot, 5s. 1d. to 5s. 3d., as to brand and seller. For near afloat oil 4s. 10d., c.i.f., reported paid. On the market there are sellers of August-September at 4s. 11d., with buyers at 4s. 9d. Japanese shippers quote October 4s. 8d. and October-December 4s. 7d. per lb., c.i.f., with resellers here at 4s. 5d. to 4s. 6d. per lb., c.i.f. The source reports easier conditions for American natural oil in drums, with quotations for new crop from 2 dollars 30 to 35 cents per lb., c.i.f.

PETITGRAIN.—A little spot business, for which prices are steady at 4s. 3d. for cases and up to 4s. 6d. for smaller packings. The shipment market is quoted at 4s. 1½d. per lb., c.i.f.

ROSEMARY.—Dealers' prices for spot supplies of genuine good quality Spanish oil are fully up to 3s. 8d. to 4s. 3d., as to seller and quantity. No news as to any new crop oil from the source.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots on spot, 19s. per lb. Oil described as East Indian is steady at the recent slight advance at 17s .6d. per lb., c.i.f., for bulk quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

Commercial Notes

MADAGASCAR VANILLA EXPORTS.—Shipments during 1936 totalled 5,424 metric quintals, valued at 38,774,000 francs, compared with 4,627 metric quintals in 1935, valued at 24,116,000 francs.

DUTCH CARAWAY CROP.—The area under cultivation for the 1937 season was 4,662 hectares, compared with 3,636 hectares in 1936 and 5,781 hectares in 1935 (one hectare equals 2.47 acres).

TAHITI VANILLA EXPORTS.—Shipments to all destinations during the period January-March 1937 totalled 10,964 kilog., valued at 1,268,000 francs, compared with 27,248 kilog., valued at 1,109,957 francs, in the corresponding period of 1936.

BRITISH DYESTUFFS PRODUCTION.—The output of British manufacturers of dyestuffs covered by the Dyestuffs (Import Regulation) Act, 1920, in 1913 was 9,114,134 lb.; 1922, 23,832,967 lb.; 1929, 55,785,032 lb.; and 1936, 61,222,901 lb. Exports in 1913 amounted to 2,434 tons (£177,246); 1929, 7,844 tons (£984,222); and 1936, 6,155 tons (£1,324,779).

CANADIAN VANILLIN IMPORTS.—Imports during 1936 from all sources totalled 27,200 lb., an increase of 3,500 lb. on 1935. The bulk of last year's supplies, namely, 18,800 lb., was shipped from the United Kingdom. France supplied 4,960 lb., the U.S.A. 2,900 lb., and Germany 500 lb. The quantity of U.K. vanillin bought by Canada in 1935 was 18,400 lb.

MANCHOUKUO TRADE IN MEDICINAL PREPARATIONS.—The total amount of Manchoukuo's exports of medicines during 1936 is estimated at 602,758,986 yen, of which 74,142,453 yen is for the re-exports of foreign-made medicines, the amount of others being 528,616,536 yen. This shows an aggregate increase of 181,681,226 yen as compared with the figures of the preceding year. The total amount of imports for 1936 is estimated at 691,889,273 yen, showing an increase of 89,130,284 yen.

BULGARIAN ESSENTIAL OIL PRODUCTION.—The cultivation of aromatic plants in Bulgaria for the production of essential oils is being steadily developed, mainly in the so-called Rose Valley, where Bulgarian rose oil is produced. About 1,300 hectares have recently been planted with mint, lavender, pyrethrum, origanum, basilicum and other similar plants. The output of essential oils in 1937 is expected to reach some 40,000 kilog., as compared with only 13,000 in 1936. These new crops are mainly developed in areas withdrawn from rose cultivation.

DOMINICA ESSENTIAL OIL EXPORTS.—Shipments to all destinations were as follows:—

Product	1935		1936	
	lb.	£	lb.	£
Grape fruit oil	—	—	245	58
Bay oil	16,474	2,421	21,282	3,229
Lime distilled	7,127	7,443	9,189	9,612
Lime hand-pressed ...	140	186	350	565
Orange	1,131	235	70	14

ARGENTINE CASEIN TRADE.—Exports for the first six months of 1936 and 1937 were as follows:—

Country	Jan.–June		Country	Jan.–June	
	1936	1937		1936	1937
	Metric tons	Metric tons		Metric tons	Metric tons
Germany	5,913	2,591	Finland	248	385
Japan	125	1,757	Netherlands	430	318
United Kingdom ...	1,148	1,656	Others	1,014	1,166
United States ...	1,169	1,203			
Sweden	241	389	Total	10,288	9,465

The above shipments for 1937 include 2,089 tons of unground casein, three-quarters of which went to Germany. Stock estimates made by the Regulatory Board of the Dairy Industry show 2,335 tons at the end of December 1936, 3,810 tons at the end of March 1937, and 4,796 tons at the end of June 1937.

CANADIAN CHEMICAL PRODUCTION, 1936.—Production of chemicals and allied products in Canada attained a value of $125,703,000 in 1936, an advance of 6 per cent. from the 1935 figure of $118,574,000, according to the preliminary statistics published by the Canadian Bureau of Statistics. This is the highest figure ever reached with the one exception of the year 1929, when prices of chemicals were considerably higher than in 1936. The Bureau's calculation showed the 1936 volume to be greater than in any other year. All branches except industrial chemicals contributed to the improvement. Figures for the different branches with the percentage increases in 1936 over 1935 were: Adhesives, 24 per cent., to $1,783,400; fertilisers, 14, $6,923,400; coal-tar distillation, 13, $2,942,300; miscellaneous products, 11, $9,251,400; explosives, ammunition and fireworks, 10, $9,354,400; paints, pigments and varnishes, 9, $22,144,500; compressed gases, 8, $3,315,800; wood distillation, 7, $858,100; inks, 6, $3,066,900; medicinals and pharmaceuticals, 5, $22,356,900; soaps and washing compounds, 2, $16,312,900; and toilet preparations, 1, $6,085,900. The value of acids, alkalis and salts declined slightly from $19,012,600 in 1935 to $18,926,300. There were 743 factories in operation in 1936, 9 more than in 1935, with the average number of employees 19,770. As in preceding years, more than half the total value of production was from Ontario, with 387 establishments reporting an output of $71,704,600. Quebec, with 230 factories, had a production worth $38,915,300.

GERMAN CHEMICAL INDUSTRY.—German production of chemicals and allied products continued to increase during the first half of 1937, as a result of the increased domestic and foreign demand. Considerable expansion in production capacity in various chemical branches—especially basic chemicals, industrial acids, alkalis, cellulose, and coal-tar derivatives—took place to supply the raw materials for the newer synthetic-substitute industries. The shortage of some chemical materials brought about a still closer official control and prohibitions upon the exportation without Government permit of such products as phenols, lead, and copper sulphate. Insufficient supplies of imported technical oils and fats, lead, and other pigments caused some inconvenience in the soap, paint, linoleum, and other consuming branches. Difficulties were encountered in certain branches by shortages of skilled workers in the chemical plants, and by the need for more professional and scientific personnel, trained chemists, and engineers. Exports contributed to the increased chemical output, but the production gains continued to be due chiefly to the marked development of domestic economy, including utilisation of domestic substitutes, which greatly increased the consumption of chemicals. In contrast to the general improvement, however, demand for chemicals by certain other manufacturing industries, such as finished textiles as distinguished from synthetic textile raw materials, leather, footwear, etc., decreased. Medicinals, cosmetics, soap, and household chemicals likewise registered much smaller gains in sales than the heavy chemicals.

Sudan Gum Acacia Exports

BOXALL & CO. report that shipments during July 1937 totalled 1,106 tons, compared with 1,937 tons in July 1936. Shipments during January-July 1937 totalled 15,080 tons, compared with 14,391 tons in the corresponding period of 1936. The chief destinations were as follows:—

Destination	1936			1937		
	January-June	July	Total	January-June	July	Total
Great Britain	2,906	356	3,262	4,317	343	4,660
U.S.A.	1,896	535	2,431	2,673	264	2,937
France	2,401	224	2,625	1,317	135	1,452
Germany	1,557	216	1,773	1,618	125	1,743
Italy	44	2	46	476	1	477
Belgium	807	194	1,001	553	15	568
Japan	544	143	687	860	32	892
Holland	496	51	547	475	83	558
Spain	116	40	156	—	—	—
Sweden	243	8	251	291	—	291
Norway	25	2	27	37	—	37
Australia	338	63	401	299	29	328
New Zealand	31	—	31	39	5	44
China	149	3	152	146	3	149
Canada	149	35	184	145	10	155
British India	26	10	36	71	—	71
Denmark	103	—	103	115	3	118
Finland	64	2	66	120	12	132
Poland	36	20	56	67	—	67
Rumania	62	7	69	32	2	34
Greece	73	—	73	55	2	57
Egypt	57	—	57	36	5	41
South Africa	21	—	21	15	10	25
Dutch Indies	18	—	18	26	4	30
Argentine	29	—	29	15	5	20
Brazil	84	13	97	55	12	67

The export figures are made up of the following qualities:—

		Hashab	Bleached	Talha	Total
July, 1936	tons	1,514	40	383	1,937
July, 1937	tons	877	24	205	1,106
January/July, 1936	tons	13,196	115	1,080	14,391
January/July, 1937	tons	13,115	98	1,867	15,080

London Drug Auction

Commercial Sale Rooms,
Mincing Lane,
September 23, 1937.

AT THE DRUG AUCTION held to-day eight catalogues were submitted. The offerings covered the usual range of commodities, but the quantities available were somewhat smaller than usual. There was a fair sprinkling of fresh importations on this occasion. The demand generally showed some slight improvement on recent auctions. There was no outstanding feature to report, but prices generally were firm. ALOES of all descriptions are very firm, and importers are not prepared to give way in price on account of the very limited supplies available. BENZOIN still in ample supply, with prices decidedly in buyers' favour, especially the Sumatra variety. DRAGONS BLOOD continues steady, with a fair business passing privately. IPECACUANHA.—No offerings were catalogued, and privately the market is extremely firm, although more supplies are likely to be available in the course of the next few weeks. MYRRH continues firm, with only very small supplies available of really good Aden sorts. SENNA remains steady, with a quiet business passing. HONEY.—Whilst very little sold in auction, a considerable business is going on privately at former rates. RHUBARB continues to command attention on account of the difficulty of obtaining supplies from China, and spot supplies are now at their lowest ebb.

ALOES.—Continue firm. Cape: In auction there were several small parcels, which were held from 62s. 6d. to 65s. per cwt. for fair to very fine hard bright quality. Curaçao: Seventeen cases of dark liver were held for 135s. per cwt. Socotrine: Twelve cases of good liver on leaves were returned at 80s. per cwt.

AMMONIACUM.—For a parcel of pale drop, fairly clean, 1s. and 1s. 2d. per lb. "in bond," was wanted.

ANNATTO SEED.—Is firmly held for the few parcels on offer. Jamaica, of fair colour, at 4½d. and Madras at 3½d. per lb.

ASSAFŒTIDA.—A rather attractive parcel of 20 cases of good pale blocky almonds was withdrawn at 95s. per cwt., "in bond."

BALSAM.—The only parcel on offer was five cases of genuine San Salvador *Peru*, which retired at 4s. 6d. per lb., "in bond." Other varieties are all very firm and supplies not easily obtainable.

BENZOIN.—Sumatra was in fair supply, and whilst nothing was sold "under the hammer" a steady business is reported privately at the recent lower level of prices. Siam: The offerings covered the usual range, medium almonds held for £25, bean and pea £21, pea at £19. All these parcels are of good bouquet. There was only a fair supply of Saigon at current rates.

BUCHU.—Attracted more interest and a few lots were sold "under the hammer" subject to owners' confirmation, fair round green fetching 2s. 1d. and ovals of fair olive colour at 1s. 10d. We understand that supplies at origin are very reduced, and it is difficult to purchase really good colour leaves at present.

CALUMBA ROOT.—Two lots were catalogued of natural sorts, twenty bags of middling, fair bright sorts were sold, subject to confirmation, at 42s. per cwt. Another lot of brighter and more "meaty" root was held for 60s. per cwt.

CASCARILLA.—Continues very quiet, and several small lots of stringy quill retired at 1s. 3d. and 1s. 4d. per lb.

CASSIA FISTULA.—A nice lot of good bold pods, fairly sound, consisting of 19 bags was taken out at 30s. per cwt.

COCHINEAL.—Two parcels were available, greys being held for 1s. 3d. and blacks at 1s. 5d. per lb.

COLOCYNTH.—An ample supply was on offer, good sound pulp being held at from 1s. 3d. to 1s. 5d. per lb., "in bond." A parcel of reconditioned pulp was sold for account of "whom it may concern" at 10½d. per lb., with the damages at 9d. per lb.

CUTTLE-FISH BONE.—Several lots of medium to bold East Indian bone were withdrawn at from 7d. to 8d. per lb.

DRAGONS BLOOD.—Continues steady and nothing was sold in auction. A fair business is passing privately at current rates.

ELEMI.—Twelve cases of fair No. 1 white were retired at 45s. per cwt.

GAMBOGE.—Several lots of fair Siam pipe were on offer, and held at from £12 10s. to £13 10s. per cwt., duty paid, according to quality.

GUAIACUM.—A total of twenty packages offered, fair glassy sorts were obtainable at 1s. 3d. to 1s. 4d. per lb. and ordinary at 10d. per lb.

GUM ACACIA.—A lot of 50 bags of fair cleaned Kordofan sorts retired at 52s. 6d. per cwt. Privately the market is very quiet, although a revival is expected very shortly as consumers have only been purchasing from hand to mouth.

HONEY.—Of 304 barrels of Jamaica catalogued about half the quantity was withdrawn before the sale, whilst the remainder was held for dearer rates, the range being from 30s. to 55s. per cwt. for dark to fine pale quality. The firmness of holders is occasioned by the shortage of other descriptions.

KAMALA.—Two lots were offered, 7 per cent. ash was held for 1s. 6d. per lb. and 5.47 per cent. at 1s. 8d. per lb.

KOLA NUTS.—Several small parcels of African halves were available at from 2¾d. to 3¼d. and Jamaica halves at from 4½d. to 5d. per lb.

MYRRH.—Continues very firm and supplies very difficult to obtain. Fifteen cases were catalogued, fair Aden, small native picked gum, was held for £9 10s. per cwt., "in bond," and good small peas at £4 10s. per cwt., "in bond."

ORANGE PEEL.—A parcel of eight cases of darkish to dark thin cut Tripoli retired at 1s. 2d. per lb., "in bond."

QUINCE SEED.—A few bags of Cape were withdrawn at 2s. 6d. per lb.

RHUBARB.—The situation is getting very serious, as the small stocks in London are becoming rapidly depleted, and the market is flooded with inquiries from all quarters. Holders of the existing small supplies are loth to sell as they cannot replace, and after each transaction prices are further advanced. In the auction Shensi was held for 5s. to 5s. 3d. per lb., and rough round, high dried, at 2s. 9d. per lb.

SARSAPARILLA.—Is without material alteration and 14 bales of native Jamaica were retired at 1s. 1d. and 1s. 2d. per lb. Honduras, 8 bales withdrawn at 1s. 9d. per lb.

SENNA.—Nothing was sold in auction, but the market, especially for the lower grade of Tinnevelly manufacturing pods, is decidedly firmer, supplies being practically exhausted. Alexandrian.—Really fine hand-picked pods are becoming very scarce, and the medium and lower grades selling gradually.

TONKA BEANS.—A firmer tone exists for Para beans, and advices from origin report a firmer tendency on account of the crop being smaller than anticipated. In auction 10 cases of good frosted was withdrawn at 3s. 4½d. per lb. Angostura.—No supplies available.

TURMERIC.—There was a lot of 80 bags of wormy Alleppy finger withdrawn at 25s. per cwt.

WAX.—There were a few small parcels offered, but nothing was sold "under the hammer."

The next Drug Auction will be held on Thursday, November 25.

London Drug Stocks

STOCKS in London at August 31, 1937, and August 31, 1936.

Article	Quantity	1937	1936
Aloes	cwt.	247	390
Anise (Star)	cwt.	69	94
Camphor	packages	289	382
Cardamoms	cwt.	347	311
Cascara Sagrada	tons	72	42
Cochineal	bags	34	50
Calumba Root	bags	61	47
Cubebs	bags	11	5
Dragons Blood	cases	162	174
Galls (China and Japan)	cases	886	440
,, (Turkey and Persian)	bags	235	162
Gums:—			
Acacia (all descriptions)	packages	20,660	11,753
Ammoniacum	packages	38	27
Animi	packages	632	440
Asafœtida	cwt.	503	425
Benzoin	cwt.	791	796
Copal	packages	13,848	17,793
Dammar	packages	5,618	5,691
Elemi	packages	Nil	Nil
Gamboge	cwt.	50	31
Guaiacum	cwt.	34	119
Kowrie	tons (net)	230	127
Mastic	packages	67	60
Myrrh, East India	packages	35	100
Olibanum	packages	262	250
Sandarac	packages	223	148
Tragacanth	packages	3,744	5,085
Ipecacuanha (Matto Grosso)	cwt.	26	226
,, (other sorts)	cwt.	47	
Nux Vomica	cwt.	229	20
Rhubarb (all descriptions)	cwt.	308	218
Sarsaparilla	cwt.	211	353
Senna	bales	2,805	3,731
Shellac, orange	cases	142,842	124,761
Turmeric (Bengal)	tons	15	83
,, (Madras, Cochin, etc.)	tons	98	177
Waxes, Bees'	packages	3,686	2,531
,, Japanese	packages	183	232

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Odours

SIR,—I was pleased to see that Dr. E. J. Parry introduced his interesting article on "Perfumery: Fantasies and Facts" (*C. & D.*, September 18, p. 347) with a reminder that an odour which is a "perfume" to one person is a "stink" to another. I should like especially to congratulate him on the fact that he finds the odour of garlic attractive, because it must have saved him many unpleasant moments; to me it creates a disagreeable sensation which almost amounts to nausea. When I was working abroad, to serve a customer exhaling garlic just before a meal would upset my appetite; and although I was there for some years I could never get acclimatised to a garlicky atmosphere. So persistent is the odour and flavour of garlic that sometimes an egg would be tainted with it; the first taste was enough, and I had to leave it. Asafetida has a somewhat similar odour and a corresponding effect on me. Yet I do not object to other odours which many people consider objectionable; valerian, for example, has not at all a bad smell, indeed, I remember to have read somewhere that in olden days it was prized as a perfume. Other persons do not like the smell of methyl salicylate, and if the ointment is being made in the pharmacy will comment about it, though I think it is agreeable.—Faithfully yours,

VALERIANTE (20/9).

SIR,—Dr. Ernest J. Parry, in your issue of September 18 (p. 347), makes reference to "odour of sanctity," ascribing the phrase to the burning of incense in churches. This may be the generally understood meaning, but there is another—witness the following quotation from "Aromatherapie," by R. M. Gattefossé: "Now certain corpses not only mummify themselves and are not decomposed, but give off an agreeable odour. Works on hagiography speak often of these odorous emanations from the bodies of saints; this is the Odour of Sanctity, taken in its proper sense; but it is not special to the religious, one remarks it often enough among ordinary mortals." Whether this is matter of fact or fantasy others must judge, but it is as much outside my own experience as another odour which forms the theme of one of the anecdotes in Dr. Axel Munthe's book, "The Story of San Michele." The doctor relates how he went in horror of an extraordinary creature "bequeathed" to him by his family as housekeeper. The doctor could not summon up courage to dismiss her, but was overjoyed when the Swedish chaplain volunteered to perform this office. He next saw the chaplain in bed, in a state of collapse after the interview. All this may seem to confirm Dr. Parry's strictures upon the nonsense written about perfumes. Yet to my mind it goes to show that there is more in smell than meets the nose. There have been instances in which science has justified commonly held beliefs it had formerly ridiculed.—Yours, etc.,

EX VOTO (21/9).

National Selection

SIR,—"Votex," in his reply to my letter (*C. & D.*, September 18, p. 353), does not state what he is going to do further than being "interested" or "welcome any method to increase the number of returned voting papers." I again assert that now is the time to work for the aims set out by the National Election Council's Committee. Pharmacy needs workers to-day. Is "Votex" willing to join the workers, or perhaps he can assure us that he is a worker? Will he not come out into the open?—Yours faithfully,

EIRWYN OWEN.

Bangor.

Employees' Aims

SIR,—I have every sympathy with the aims of pharmaceutical employees, because I was an assistant for nearly twice as many years as I have been an employer, and there are very few incidents of the rougher side of an assistant's life I have not been through. But, however just may be their claims, chemists' assistants would do well to remember the sentence in your article on "Pharmaceutical Employees' Wants" (*C. & D.*, September 18, p. 328), that the employees of to-day may be the master pharmacists of to-morrow. In no other trade or calling is this sequence seen so frequently. Pharmacy particularly lends itself to graduating from the apprentice to the assistant and then to the proprietor—partly, perhaps, because the assistant holds the same qualification as his employer, and partly also because it seems to be a tradition in pharmacy that every assistant looks forward to owning a business of his own as his ultimate goal. At the same time, the present employees should not forget that their employers in their turn have passed through similar stages to those they are now travelling, only more so; the hours were formerly much longer, and there were no regular half-holidays or Sundays off. There was as well the living-in system, which in some cases was a fruitful source of petty tyrannies. A forty-eight hour week is a very good ideal to aim at, and so are graded salaries; but they are both impracticable under the present conditions of pharmacy, and although an assistant may think forty-eight hours is sufficiently long for a working week now, if he bought a business for himself he would probably have to work far longer hours to make a success of it. Chemists' assistants, if they were completely organised, would form a powerful body, and acting together could have a formidable weapon to back their demands. The big concerns might be able to meet them, because they have other sources of profit; but it is doubtful if many individual proprietors could afford to pay much more than the present rates, and they would have great difficulty in establishing a forty-eight hour week on a working basis unless conditions and remuneration were improved very considerably. It would be far better, as you observe, if assistants would first direct their energies to a betterment of the general status of the craft, because any improvement in pharmacy as a whole would help all its members.—Yours truly,

IMPROVISE (21/9).

Scottish Health Services

SIR,—You draw the attention of your readers, and particularly those north of the Tweed, to the "Summary of the Report of the Committee on Scottish Health Services." It seems pretty certain that at a comparatively early date dependants of insured persons will be linked up with the present National Health Insurance Scheme, and the logical outcome of this will be, as suggested in the Report, that the present machinery of the scheme for supplying and pricing medicines will be used. This will be all to the good if adequate remuneration for the work can be obtained. It cannot be said that present conditions provide for this, and quite likely as soon as this new class is brought into the scheme, the chemist will suffer loss of business and profit, since the insurance script will replace his own proprietary or the nationally advertised one. Insurance dispensing, under present conditions, can provide but a mere pittance for the chemist, particularly when rising overheads and the increased cost of living are taken into account. The matter is urgent and most pressing. I cannot understand the lethargy of the average pharmacist towards it. If a similar state of affairs existed in organised labour, it would be ventilated in the public Press and quite likely produce a strike or some other upset.—I am, etc.,

REFLECTION (22/9).

Proprietary Medicines in South Africa

SIR,—Manufacturers, importers and distributors of patent medicines in South Africa are extremely dissatisfied with the amended Proprietary Medicines and Appliances Bill—which failed to get through last session of Parliament on account of the time of the session being too short, and if it is reintroduced next session it will be strongly opposed, despite the assurance of the Minister in charge of the Bill that it will eliminate only the "relatively few" proprietary medicines which contain dangerous drugs. From the point of view of the objectors, and, they contend, from that of the man-in-the-street, the Bill, after emerging from the Select Committee, is not radically different from the original Bill to which they so strenuously objected when giving evidence in Select Committee. Why, they ask, should it be necessary to have this cumbersome Bill if all that is desired is to ban a few undesirable medicines? They further urge that if the Bill is passed it might result in men going round to the farms

with unlabelled bottles of "medicine" offering them for sale as was commonly done twenty years ago. If the Bill had gone through in its original form, many of the leading patent medicines in the Union would have been withdrawn from the market, because of the requirement that the proprietor should disclose to the registrar of patent medicines their exact processes of manufacture. This requirement has been deleted from the Bill, although the registrar may still require details of the manufacture of appliances. There is still a requirement in the Bill that the manufacture of patent medicines shall be done only under the supervision of a chemist and druggist. Patent medicines with a high alcohol content sold by some general dealers in the Union were blamed by speakers at a recent session of the Agricultural Union's Congress. A motion that the Government be requested strictly to prohibit the sale by general dealers of drugs with a high alcohol content was referred back for investigation. The operation of the Food and Drugs and Disinfectant Act has created a deadlock in the dried fruit industry. This follows a number of prosecutions against grocers and wholesale dried fruit merchants.—Yours, etc.,

COMMENTATOR (22/9).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Appreciations

"A Handbook to Pharmacy," by William Kirkby, M.Sc., Ph.C. (THE CHEMIST AND DRUGGIST Offices, 5s.), is a neatly produced volume of 222 pages. . . . A large amount of very useful tabular matter such as specific gravities, solubilities, etc. Physiology, bacteriology, and such like receive brief chapters, and considerable space is, necessarily, devoted to poisons and dangerous drugs. The book is not intended [primarily] for the student so much as for the practising pharmacist, to whom it will prove a useful desk companion.—"The Prescriber."

Since its first edition of 268 pages the book ["Veterinary Counter Practice"] has steadily grown to nearly twice that size in its present edition. It has been thoroughly revised and brought up to date, giving the newest methods of treating animal diseases, such as the recent method of treating blackhead in turkeys. It is illustrated with excellent anatomical drawings of various animals. . . .This excellent volume should aid the pharmacist in obtaining new business not only from the veterinarian but also from farmers, stock-breeders, kennelmen and pet owners who literally number millions, for nearly every home has either its dog or its cat.—"Druggists Circular."

Sales in Small Quantities

The sale in small quantities of proprietary articles is a matter to be deprecated, and the advertising of single powders and the like should be discouraged. Further, there is far too much talk of the depreciated spending power of the public. Places of amusement and savings certificates confirm this.—*Salesman* (10/2).

State Medical Service

From conversations with medical men I gather that they are convinced that the country is heading for a State medical service, and they are of the opinion that doctors may, like other Civil Servants, be put on an eight-hour shift. "What of the chemists?" I asked, and in turn was asked if the chemists really did anything by way of securing proper conditions. Do they?—*Scotia* (11/9).

Where are the Carboys?

A paragraph in the "Belfast News Letter" of September 18 calls attention to the disappearance of carboys from the windows of a chemist's shop where they had appeared for many years. Personally, I deplore the passing of these ancient symbols of our craft; but I suppose chemists must, like all the rest of the world, bow the knee to the gods of commercialism, and the time is fast coming—or is it here?—when the places of business of those who belong to one of the best-known professions will be very hard to distinguish from those of the butcher, baker or candlestick maker. To-day the chemist is, in the minds of the majority of the public, merely a shopkeeper, handing out "patents" and displaying anything and everything but that pertaining to his craft. —*H. J.* (21/9).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. J. N. (20/99).—BOILER LOTION.—It would require a detailed analysis to ascertain the exact composition of your sample. So far as we can judge, it is a 5 to 10 per cent. solution of sulphonated castor oil in water with sufficient alkali to give a *pH* 7. The sulphonated castor oil must be of good quality or this solution will be cloudy. Borax is probably the best ingredient to use to obtain alkalinity.

N. B. (20/98).—BALSAM OF LINSEED AND HONEY.—The formula for which you ask is as follows:—

Chlorodyne	1 oz.
Glycerin	4 oz.
Liquid extract of ipecacuanha	20 min.
Oxymel of squill	10 oz.
Tincture of capsicum	80 min.
Infusion of linseed .. .. .. to	30 oz.

P. A. P. (Stockholm).—ADULTERATED SAFFRON.—Owing to the scarcity of Spanish saffron experiments have been made with the Macedonian variety, but we understand that results are not altogether satisfactory. The old method of adulteration by merely adding soluble mineral matter is seldom practised now. The most likely method of adulteration is skilful immersion of saffron in saccharine solution of suitable strength and at a suitable temperature, the product being dried at air temperature. By this means the saffron will take up 25 per cent. or over of the saccharine substance. Sometimes a little sodium or magnesium sulphate is also present, being added to make up the deficiency in the ash caused by the addition of the saccharine matter. Hundreds of ways have been resorted to in order to obtain an imitation of saffron, such products usually consisting of stigmas, pistils, and even petals of harmless flowers impregnated with a decoction of real saffron to give taste and aroma and coloured red with aniline dyes.

B. C. (20/97).—CHEMICAL LAVATORY DEODORISER.—To effect the disintegration of solid matter in sewage, caustic soda, with the addition of crude carbolic acid, is one of the agents largely used in chemical closets for indoor use. It cannot, of course, be used in metal pans, unless these are made of iron. Various disinfecting solutions are in use for this purpose, some of which are solutions of cresylic acid in kerosene; these form a layer on the surface of the contents of the receptacle thus preventing the odour of the fæcal masses from passing, in addition to displaying a definite disinfectant action.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," September 24, 1887

Tribute to Manchester Scientists

Sir Henry Roscoe, whose local and general popularity contributed largely to the success of the meeting [of the British Association in Manchester] . . . , aimed at presenting a sketch of the progress of scientific chemistry during the past fifty years, and in making choice of the abundance of materials which lay before him he scorned the aid of dramatic contrasts, but plodded on with a perfectly wonderful mastery of detail through all the most abstruse and technical studies of the greatest chemical workers and thinkers of the past half-century, reminding his audience that they were within a stone's throw of the small room which served Dalton as his laboratory, and where with the simplest of all possible apparatus—a few cups, penny ink-bottles, rough balances, and self-made thermometers and barometers—he accomplished his great results. Sir Henry Roscoe added a glowing tribute to the work already accomplished by another and still living Manchester philosopher, James Prescott Joule. In his house, the president said, he would gladly serve as doorkeeper. To him science owes a debt of gratitude not less than which it willingly pays to the memory of the originator of the atomic theory. His determination of the mechanical equivalent of heat, completed about the year 1842, gave to the world of science beyond reach of doubt or cavil the greatest and most far-reaching scientific principle of modern times—namely, that of the conservation of energy.

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Jalap Resin
Menthol
Phenacetin
Phenazone
Phenobarbitone
Salicylates
Scammony Resin
Sulphonal
etc.

CARNEGIE BROS. LTD., 227-229 ESSEX RD., LONDON, N.1
Telephone : Clissold 4761—4 lines.
Telegraphic Address : Carnebros, London.
Codes : ABC-5th and 6th Editions, Etc

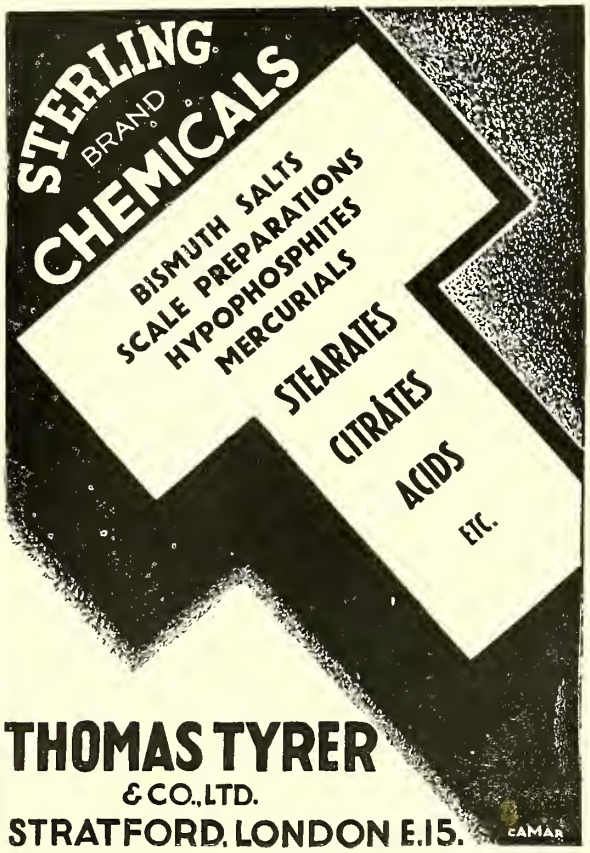
Paraffinum Liquidum B.P.

ALL GRADES
SAMPLES & PRICES
On application to

ALSO TECHNICAL QUALITIES

WHOLESALE ONLY

Sterns Ltd.
16, Finsbury Sq. London, EC2
Telephone : National 7644 (7 lines)
Telegrams : Centumvir, Phone, London.



Announcing NEW 5/- size

"CLARKES"

Brand

World-famed Blood-purifying Medicine

"BLOOD MIXTURE"

Registered Trade Mark

UNSTAMPED, FOR SALE BY CHEMISTS ONLY

P.A.T.A. PRICES

"CLARKES" *Brand* **BLOOD MIXTURE**

(Liquid and Tablets)

Retail **3/-**. 3 doz. lots **£4 - 4 - 0** *less* **3¾%** *one month*

12 „ „ **£16-16-0** „ **8¾%** „ „

CARRIAGE PAID PACKING FREE

ASSORTED ORDERS

"CLARKES" *Brand*	Retail	Per Doz.
BLOOD MIXTURE		
(*Liquid & Tablets*) ...	**1/9**	**16/4**
„ „ „ ...	**3/-**	**28/-**
„ „ „ ...	**5/-**	**46/8**
„ (*Liquid only*)	**12/-**	**112/-**
SKIN LOTION	**1/3**	**11/8**
SALVE	**1/3**	**11/8**
„	**3/-**	**28/-**
„	**5/-**	**46/8**
APERIENT PILLS	**1/3**	**11/8**
„ „	**3/-**	**28/-**
MEDICATED SOAP		Doz. Tablets
Box 3 Tablets	**2/6**	**7/10**
Single Tablets	**1/-**	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows:—

£4 - 4 - 0 *less* **3¾%** *one month*

£16-16-0 „ **8¾%** „ „

CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses

The Lincoln & Midland Counties Drug COMPANY, LIMITED

PARK STREET, LINCOLN

Telegrams: "Lindum, Lincoln" Telephone: Lincoln 55

"And it's really good, is it?"

Your advice to people who want 'something for a sore throat' will be all the more welcome if the preparation you suggest is pleasant to use. 'Dettolin,' which contains, amongst other ingredients, the active germicidal principle of 'Dettol,' not only destroys germs rapidly, but in both smell and taste is most agreeable. Its use can be advised with confidence in cases of septic and inflamed conditions of mouth and throat.

'DETTOLIN' BRAND

MOUTHWASH AND GARGLE

FORMULA

Dimethyl Chlor Phenyl Hydrate 1·02%, Menthol 0·12%, Sapo Vegetalis 0·5% Tinct. Rosae Aromatica 64·9%, Elixir Glusidi B.P.C. 6·0%, Aqua dest ad. 100. vols.

PRICE

1/6

RECKITT AND SONS LIMITED, (PHARMACEUTICAL DEPT.) HULL.
LONDON: 40, BEDFORD SQUARE, W.C.1.

'ENDRINE'
at 13 to the Dozen

Extra profits are offered you on this rapidly moving line in time for stocking up for the winter season. 13 to the dozen terms may be obtained on 'Endrine' brand nasal compound through any wholesaler in return for a fortnight's display of the new showcard illustrated above. You are backed by the most intensive propaganda which has yet been carried out for 'Endrine.' Inspect your stocks and make sure that they are adequate to meet the seasonal rise and demand. Order now on bonus terms.

JOHN WYETH & BROTHER LTD., OLDHILL PLACE, LONDON, N.16.

Phospho-Soda
(Fleet)

A SALINE APERIENT and BILIARY STIMULANT of RARE EFFICACY

An ethical pharmaceutical product for which a continuous propaganda is being conducted with the Medical Profession.

	Retail	Wholesale	
Bottles of 2½ fl. oz.	1/6	13/6	per doz.
,, ,, 6 fl. oz.	3/-	27/-	,, ,,
,, ,, 16 fl. oz.	6/-	54/-	,, ,,

Stocks are held by the leading Wholesale Houses

Your co-operation in promptly obtaining supplies when required will be appreciated

THE ANGLO-FRENCH DRUG CO. LTD.
11-12 GUILFORD STREET, LONDON, W.C.1

answers *to customers' questions about* ANTISEPTICS

NEED AN ANTISEPTIC BE WASTEFUL TO USE?

No, not if the antiseptic can be bought in concentrated form. Milton, for example, is 80 times stronger than the old-fashioned 5% carbolic acid solution and, for most uses, can be diluted to such a degree that its usage becomes extremely economical. Yet at any strength Milton is perfectly safe to handle; it is not caustic, and cannot stain or injure the most delicate living tissues. Contrast this with antiseptics which are either dangerous at high concentrations, or else sold in weak or diluted form, so that an expensive bottle is used in a week. An antiseptic need not be wasteful — if it be Milton.

MILTON

Are you buying Milton products on the best terms? Write for details of the NEW MIXED BONUS PARCELS

MILTON PROPRIETARY LTD., JOHN MILTON HOUSE, 10/12 BREWERY RD., LONDON, N.7

RASPBERRY VINEGAR

(ARNFIELD)

Prepared from selected Raspberries and Pure Cane Sugar.

Guaranteed free from artificial flavouring and added preservatives.

Your enquiries will be appreciated

•

Sold in bulk only, in

Casks, Kegs, Carboys & Winchesters

•

J. C. ARNFIELD & SONS, Ltd.

WHOLESALE DRUGGISTS

GADSBY WORKS · PRINCES ST. STOCKPORT

ESTABLISHED 1786

THE GOODWILL

OF BOX'S CUSTOMERS IS YOURS ON DEMAND

Buyers of Box's Pills being "on to a good thing" very soon come back for more, and quickly establish themselves as your regular customers.
Display this famous fifty-year-old proprietary and start profit-taking at once.

SALES-MAKING DISPLAYS FREE ON REQUEST
P.A.T.A. List 1/3 3/- 5/- 22/- Retail
W. H. BOX, 161 King St., PLYMOUTH

BOX'S PILLS

CURE · INDIGESTION ·

ORDER

Stamps 13/-

Bespoken on the 6th day of September 1937.
Ready on 7th day of September, 1937.

HIGH COURT OF JUSTICE IN NORTHERN IRELAND

CHANCERY DIVISION

HON. MR. JUSTICE MEGAW

(SITTING AS VACATION JUDGE)

Friday the 27th day of August 1937.

Record No. 1937/91

BETWEEN:

SCOTT & TURNER LIMITED — Plaintiffs

- and -

LEONARD McNEILL trading as McNeill's Cash Stores — Defendant

UPON MOTION made this day by Counsel for the Plaintiff Company pursuant to Notice dated the 31st day of July 1937 And upon reading the said Notice the Writ of Summons the Affidavits of Thomas A. Lacy Thompson Evelyn McFall and Eileen Boal all filed the 31st day of July 1937 and the Plaintiffs and the Defendant by their Counsel consenting that the hearing of this Motion should be treated as a Motion for Judgment and consenting to this Judgment accordingly AND the Defendant by his Counsel undertaking not to sell or offer for sale by himself his agent or servants the Saline Laxative preparation known as "Andrews Liver Salt" in the Writ of Summons and hereinafter mentioned at less than the minimum retail prices set out in the agreement hereinafter referred to.

THIS COURT DOTH ORDER that the Defendant his agents and servants be and they hereby are restrained from selling or offering for sale a saline laxative preparation known as "Andrews Liver Salt" manufactured by the Plaintiffs at less than the minimum retail prices set out in an agreement entered into by the Defendant with the Plaintiffs on or about the 1st day of March 1937 in breach of the said agreement.

AND THIS COURT DOTH ORDER that Defendant do pay to the Plaintiffs the costs of the Action including this hearing and Judgment such costs to be taxed in default of agreement.

AND IT IS ORDERED that all further proceedings in the Action except such as may be necessary for giving effect to this Judgment be stayed.

(Signed) ROBT. McQUITTY
Assistant Registrar.

Carson & McDowell
Solicitors for Plaintiffs.

Thomas Hewitt
Solicitor for Defendant.

FILED in the Registrar's Office on the 1st day of September 1937.

J. G. Breakey
Asst. Registrar.

Andrews Liver Salt is supplied for Retail Sale strictly on the understanding that the following prices shall be maintained.

4 oz. TIN · · 9D

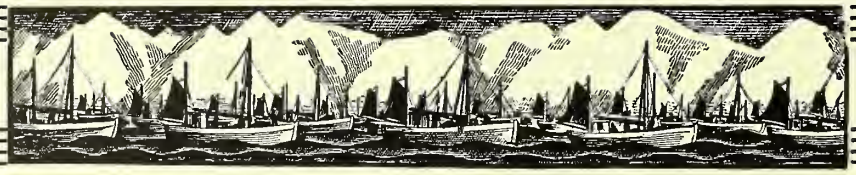
8 oz. TIN · 1/4

WARNING

The Proprietors of Andrews Liver Salt desire to make it known that they are determined to take all possible steps, in the interest of their customers, to prevent price cutting in breach of the agreements relating to minimum retail selling prices which were fixed for the benefit of Wholesale and Retail traders.

Proprietors :

SCOTT & TURNER LTD., Andrews House, Newcastle-on-Tyne, 2.



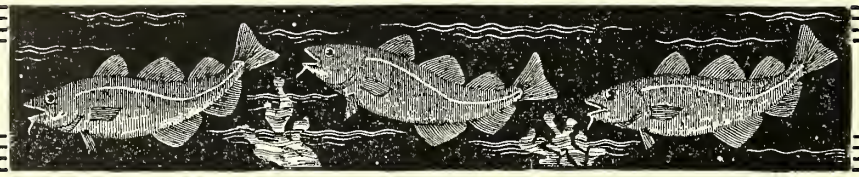
1

In the Winter months constant exposure to cold and damp air puts our health to a severe test.

Recommend your customers to take Norwegian Medicinal Cod Liver Oil daily, so that they may increase their power of resistance.

Norwegian Medicinal Cod Liver Oil is Nature's own cure, and contains the important vitamins A and D in the right ratio. It is the strongest bulwark against infections

NORWEGIAN
COD LIVER OIL
World-renowned for Quality.



CORKS, STOPPERS, ETC.

Send us your enquiries and compare our prices. We manufacture corks of every description.

Est. 1844
C. OLLEY & SONS LTD.
CAMPERDOWN ST. & GREAT ALIE ST., LONDON, E.1.
Telephone: Royal 2868.
Telegrams: Circumference, Edo, London.

ESTABLISHED 1793.
ATKINSON & BARKER'S INFANTS' PRESERVATIVE
The Best and Safest Infants' Medicine of 140 years' standing.

Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD.,
13 WESLEY ST., C. on M., MANCHESTER.

Armstrong's
TAPER (A) CORKS
ARMSTRONG CORK CO. LTD.
KINGSBURY, LONDON, N.W.9.

WE'RE TELLING THE PUBLIC . . .

IS THE ONLY HIGH POTENCY VITAMIN-RICH LIVER OIL OFFERED AT A PRICE WITHIN THE REACH OF ALL

HERE is the Cod Liver Oil that everyone has been waiting for. As you know, Cod Liver Oil is nature's finest vitamin food, the only liver oil with a pedigree of past success. Mothers, doctors, dietitians all agree on its value. But up till now its taste has been against it. "SevenSeaS" gets over this objection. It is clean and palatable in flavour. In its high potency form only a few drops are necessary. Everyone can benefit from it, too. It is reasonable in price. Stock up with "SevenSeaS" now.

Trade terms of 33⅓%, the inclusion of "SevenSeaS" both on the Chemists' Friends List and the P.A.T.A. Protected List and attractive bonus parcels add the final reason why no chemist can afford to overlook "SevenSeaS" Cod Liver Oil.

Special Bonus Parcels

There are Bonus Parcels of varying sizes to suit all requirements. Each one offers you a 50% PROFIT. Write for full particulars to the address below.

RETAIL PRICES:—

HIGH POTENCY OIL	*(only 5 drops necessary)*	**1/3** *bot.*
HIGH POTENCY CAPSULES	*(25 capsules)* -	**1/6** *bot.*
,, ,, ,,	*(50 capsules)* -	**2/9** *bot.*
,, ,, ,,	*(100 capsules)* -	**5/-** *bot.*
"B.P." STANDARD OIL	- -	**10d.** *and* **1/3** *bot.*

NATIONALLY ADVERTISED TO 25,000,000 PEOPLE

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD., ST. ANDREW'S DOCK, HULL ENGLAND

Chemists' Printers since 1842

ESTABLISHED 1842
& Co Ltd
GREAT TURNSTILE

"*THAT'S* A GOOD LABEL"

To know exactly what's wanted : to do the right thing instinctively—these are the privileges of experience . . . . For nearly 100 years we have been designing and printing labels for chemists' own preparations : labels that interpret to a nicety the function of the product and the status of its sponsor.
It is this inside knowledge of the pharmaceutical profession and the precedent of dealing with a thousand allied marketing instances which enables us to give a unique service—speedy, competitive in price and entirely reliable in its advisory spheres.

We shall be pleased to advise you without obligation on all label problems. Just write to us.

We also supply Bags, Envelopes, Dispensing Labels, Wrapping Paper, Prescription Books, Handbills, Toothbrush Envelopes.

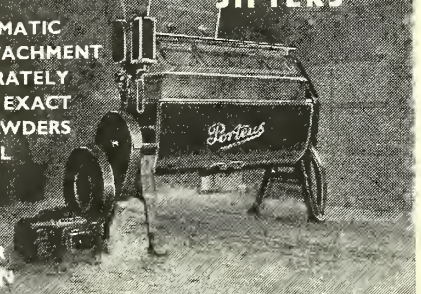
FORD, SHAPLAND & CO. LTD.

Great Turnstile, High Holborn, LONDON, W.C.I. *Holborn 4695*

H&L

Porteus LEEDS

'ATLAS' MIXERS AND SIFTERS



PATENT AUTOMATIC SPRAYING ATTACHMENT WORKS ACCURATELY AND ENSURES EXACT MIXING OF POWDERS AND ESSENTIAL OILS . . . THESE MACHINES NOW HAVE A NEW INTERIOR CONSTRUCTION

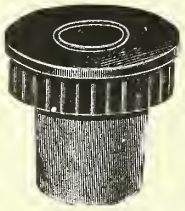
The best machine of its type ever made. Sturdily built, it gives a lifetime of Satisfactory Service . . . You buy satisfaction when you purchase an 'Atlas' Mixer. Ask us for illustrated details

GEO. PORTEUS & SONS (LEEDS) LTD.
LEEDS BRIDGE, LEEDS
TELEGRAMS "ELEVATOR LEEDS" TELEPHONE 28597 (3 lines)

WE SUPPLY
DECORATED TINS
FOR PACKING
OINTMENTS
AND OTHER PRODUCTS
SAMPLES AND PRICES UPON REQUEST

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

COMPOSITION STOPPERS
BAKELITE MOULDINGS
COMPACTE COSMETIC & ROUGE BOXES



200 Varieties Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.

W. J. SHARPLIN, Ltd. *Telephone: Mountview 3952*
Middle Lane Works, Hornsey, LONDON, N.8

VICHY-CÉLESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)

We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.

These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the

SOLE AGENTS:—

INGRAM & ROYLE LTD.

Bangor Wharf, 45 Belvedere Road, London, S.E.1

And at LIVERPOOL and BRISTOL

Telegraphic Addresses:

"Ingram-Royle Watloo, London."	"Sprudel, Bristol."	"Celestins, Liverpool."
'Phone: WATerloo 4343 (2 lines).	'Phone: 21913.	'Phone: Bank 4528.

"WEBSTER'S"
STAINLESS STEELWARE

Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.
Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals, as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.
ABBEY WORKS, KIRKSTALL, LEEDS, 5
Telephone: 51580 Headingley. Telegrams: Isaac Webster, Kirkstall.

ZEAL
Clinicals
The Choice of Experts
BRITISH MADE
NO HIGHER IN PRICE THAN NONDESCRIPT MAKES
Also Household, Bath and Works Thermometers, the best of their kind
G. H. ZEAL LTD.
MORDEN RD., MERTON, LONDON, S.W.19
Phone: Liberty 2283-4-5

DOLS' VOLATALISE FLANNEL
indicated in all cases of
RHEUMATISM
NEURITIS, SCIATICA
LUMBAGO, Etc.
Measurement charts, interesting literature and details of attractive terms gladly sent on application.
DOLS VOLATALISE FLANNEL LTD.
VIADUCT STREET, HUDDERSFIELD

MENE
MENE
SANITARY TOWELS
FOR BRISK BUSINESS
Obtainable from your usual wholesaler.
ROBINSON & SONS, Ltd., CHESTERFIELD & 168 Old Street, LONDON, E.C.1

Forster's "Eldon" Vapouriser
FOR USE WITH NIGHT LIGHT
Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough
Write for particulars
HALL, FORSTER & CO., Ltd., Newcastle-on-Tyne

There is going to be a big demand for
SOUTHALLS
"CELTEX" SOLUBLE
SAN TOWELS
Single 1D Cartons
SOUTHALLS Celtex SOLUBLE
ALSO MAKERS OF "ORIGINAL" & "K" SAN TOWELS

Elastoplast
TRADE MARK BRAND
DRESSING STRIP
in daily demand
T. J. SMITH & NEPHEW, Ltd. NEPTUNE ST., HULL

HOT WATER BOTTLES

that will increase your sales!

Dunlop

ALL-RUBBER MOULDED BOTTLE

High pressure moulded from the toughest rubber, this inexpensive bottle can be sold with the utmost confidence that it will give typical 'Dunlop' satisfaction. 'Cellophane' Wrapped. Fixed Retail Price - - **2/11**
With Handle- - 3/3

Dunlop

COSIMAX BOTTLE

The new luxury bottle that stays warm all night. Plush covered. Seamless interior made from Latex. Handsomely boxed. Fixed Retail Prices. Cosimax Standard size - - - **10/6**
Cosimax Senior Size - 14/11
Cosimax Foot warmer 10/6

ANIMAL BOTTLES for CHILDREN
TEDDY, KITTY, DOGGY, BUNNY, or RED RIDING HOOD.

Real hot water bottles, intriguing to the children, safe and reliable, attractively packed in a box with 'Cellophane' window in lid.
Uncovered **3/11** Covered in velvet **5/9**
Red Riding Hood 4/6, including red head cover.

Dunlop

HAND-MADE FABRIC INSERTION BOTTLE

A beautifully finished bottle with super strengthening fabric insertion Unrivalled for long trouble-free life
Attractively boxed in Red and White
Fixed Retail Prices **4/6** and **7/6**

Dunlop
HOT WATER BOTTLES

DUNLOP RUBBER COMPANY LIMITED (General Rubber Goods Division), CAMBRIDGE STREET, MANCHESTER, 1

TO BE NATIONALLY ADVERTISED

ARMY OF 'ASPRO' BROADSHEETERS ON THE MARCH!

Whole country covered continuously

Our broadsheet distributors are always on the move. 'ASPRO' broadsheets are delivered regularly into EVERY HOUSE IN EVERY TOWN OF THE BRITISH ISLES. The work is carried out thoroughly and systematically by our own well-paid employees — men who have a personal interest in seeing the job is done properly. The effect on sales is phenomenal—it's just like sowing seed—extra sales spring up wherever the 'ASPRO' broadsheeters go. You can secure the maximum amount of these sales for yourself by displaying 'ASPRO' advertising matter in your window. It gives people the vital reminder that YOU sell the product the whole town is hearing about. So display 'ASPRO' advertising continuously and reap the harvest of sales. And, remember—

'ASPRO'

NATIONAL ADVERTISING goes on ALL THE TIME

Link up with this enormous sales-producing force by giving the new 'ASPRO' Summer Display a prominent position in your windows.

Made in England by

ASPRO LIMITED, Slough, Bucks.

ASPRO REG. TRADE MARK

Telephone: SLOUGH 608

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

No proprietary right is claimed in the method of manufacture or the formula.

[40/24]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPT. 25, 1937

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—**6/-** for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

SITUATIONS OPEN—**6/-** for **40** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

SITUATIONS WANTED—**2/-** for **18** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, **1/3** per nonpareil line (12 lines = 1 inch single column). (Box No., **1/-** extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—**10/-** for **60** words: **1/-** for every additional **10** words or less. (Box No., **1/-** extra.)

EXCHANGE COLUMN (for Retailers, etc.)—**Twopence** per word, minimum **2/-.** (Box No., **1/-** extra.)

REPLIES FROM ADVERTISERS—**1/-** per line; **3** lines **2/6.**

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (10 *lines*). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS

All advertisements intended for insertion in this Supplement must reach us not later than **FIRST POST THURSDAY MORNING**

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone Nos.: CITY 2283 & 7477*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—LONDON, E.C.—City Business with Toilet Trade; easy hours; turnover last year £2,125, increasing; net profit, £320; long Lease at reasonable rental; heavy stock; attractive fixtures; inclusive purchase price £750.

2.—CROYDON (NEAR).—Middle and Working-class Business, taking £18–£20 per week, increasing; N.H.I.; good windows; stock worth £220; rent only £55 per annum; inclusive purchase price £385.

3.—LEYTONSTONE (NEAR).—Drug and Photographic Store in present family 30 years; takings last year £890; Chartered Accountant's figures; stock worth £250; mahogany fixtures; attractive living accommodation; price required £650 all at, or valuation terms would be entertained.

4.—LONDON, N.1.—Drug and Proprietary Business; established 50 years; takings this year £850; gross profit £280; good, clean stock; small living accommodation; price required £250.

5.—NORTH LONDON.—High-class Dispensing Business taking nearly £60 per week; gross profit £22 per week; double-fronted corner shop, heavily stocked; valuable Lease; net profit about £700 per annum; strictest investigation invited; purchase price required £2,000.

6.—LONDON, S.E.—DEATH VACANCY.—General Retail Business; takings last year £1,245; gross profit £553; small trade; stock £180; spacious living accommodation over, has been sublet at 27s. 6d. per week; inclusive purchase price required £350.

7.—LONDON.—General Retail Business; takings at least £3,000 per annum; excellent profits; beautifully fitted Pharmacy, heavily stocked; sublet 30s. per week; new Lease; full particulars upon application.

8.—EALING.—General Retail Business with Photographic; in present hands 11 years; takings average £900 per annum; scope; corner shop on main road; living accommodation if required; inclusive purchase price £650.

9.—OLYMPIA (NEAR).—Illness necessitates immediate disposal of Good-class Retail Business; takings for last completed financial year over £1,600 under management; stock worth £380; lock up shop with basement; price £650 all at.

10.—SURREY (FEW MILES OUT).—General Retail Business with very valuable Lease; increasing turnover, present rate £27 per week; attractive Pharmacy, adequately stocked; full particulars upon application.

11.—FULHAM.—General Retail Business with Photographic and Panel; old established; in present hands 10 years; takings last year £1,424, this year will be nearly £1,600; net profit last year £509; lock up Pharmacy with cellar and yard; price required £850 all at, or near offer.

12.—BRIGHTON (NEAR).—General Retail Business offering scope for increase; takings last year £1,194; main road corner position; stock worth about £300; new Lease; no reasonable offer refused.

13.—LANCASHIRE.—Good-class Business; turnover approaches £4,000 per annum; valuable stock and fixtures; reasonable rental; nice living accommodation; full particulars upon receipt of bankers' reference.

14.—CENTRAL LONDON.—Working-class Business; takings £25–£30 per week; old established; excellent clean stock; accountant's figures available; price £500.

15.—KENT SUBURB.—Good Middle-class Business taking over £40 per week; new Lease; sublets practically cover rental; stock worth £500; excellent investment; price about £1,000 all at.

16.—SOUTH ENGLAND.—Good-class Business; takings average nearly £70 per week; excellent profits; accountant's figures; stock worth about £1,400; new Lease; price £2,500 all at.

17.—EPSOM (NEAR).—Good-class General Retail Business with Photographic; takings over £2,300 per annum; excellent modern living accommodation; handsome fixtures; stock worth £450; rent £175 per annum; price about £1,150 all at, or valuation terms entertained.

18.—CUMBERLAND.—Light Family Retail Business; net profit averages £370 per annum; corner shop well fitted; stock worth £600; spacious accommodation over in good state of repair; rent only £65 per annum; price £1,000 all at.

19.—ESSEX COAST.—Good Middle-class Business taking well over £3,000 per annum; accountant's figures; net profit over £600 per annum; attractive living accommodation; exceptional Lease; price asked £2,500.

20.—HARROW.—Good Middle-class Business; takings last year £1,387; high profits; Maws light oak fixtures; stock worth about £450; price asked £600 all at.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

ERNEST J. GEORGE & Co.

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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) SUSSEX.—Turnover 1936, £2,100; rent and rates £65; living accommodation; garage; stock and fittings estimated £800; price £1,400.

(C2) BAYSWATER (NEAR).—Old-established, good-class; main-road position; turnover £2,500–£2,750; net rent £90; excellent scope; price £1,500; alternatively half interest for £750.

(C3) CHESTER (NEAR).—Old-established; now being run as Drug Store; excellent scope; returns upwards of £1,000; price £580 (stock and fixtures only); good living accommodation.

(C4) WILTS (RETIREMENT VACANCY).—Family business with large house; very low overheads; under present ownership for past 35 years; stock and fixtures £550; price £600 all-at; part might remain.

(C5) MIDDLESEX.—Turnover £3,500 and increasing; large panel; up-to-date flat; rent £135; price £2,100.

(C6) WORCESTER PARK (NEAR).—Attractive modern Pharmacy with up-to-date flat; turnover £2,350; stock and fixtures £700; price £1,100 all-at; rapidly growing district.

(C7) LONDON, E.C.—City Business; returns £2,150 and increasing; price £750 all-at.

(C8) THORNTON HEATH.—Turnover £1,300; rent £65; price £525 all-at, including very reasonable goodwill.

(C9) HANTS COAST.—Branch business returning £1,400; rent £60; living accommodation; price £550.

(C10) SOUTHEND (NEAR).—Main-road position; turnover £1,820; living accommodation; price £1,050; open to offer.

(C11) SOUTHAMPTON.—Old-established, occupying strategic position; turnover nearly £3,000 and increasing; value of stock and fixtures (£1,335) accepted for quick sale.

(C12) LIVERPOOL.—Good-class; returns upwards of £1,350, and increasing; living accommodation; price £825; open to offer.

(C13) NEWPORT, MON. (NEAR).—Returns £1,500; rent £75; living accommodation; price £750.

(C14) MANCHESTER.—Pharmacy with optical connexion; turnover £1,340; rent £60; living accommodation; reasonable price.

(C15) HARROW.—Well positioned; turnover £1,350; definite scope; reasonable price.

(C16) BEXLEY HEATH.—Turnover £1,300; net profit £353; living accommodation; reasonable net rental; price £700; part could remain.

(C17) NEWCASTLE-ON-TYNE.—Modern Pharmacy with house attached situated in shopping parade; returns about £23 weekly; reasonable rental; price £475 or near offer.

(C18) BRIXTON (NEAR).—Very old-established; turnover £1,324; net profit £350; rent £80; self-contained house; first reasonable offer accepted.

(C19) STOKE NEWINGTON.—Increasing turnover, now about £30 weekly; large house; low rental and price; good scope.

(C20) BRIGHTON.—Steady family business, now under management; returns £1,100; low rental; price £550.

(C21) MIDDLESEX.—Attractive modern Pharmacy; increasing returns (now about £50 weekly); rent £104; price £1,500 all-at; owner retiring.

(C22) BERKSHIRE (COUNTRY TOWN).—Returns £2,650; rent £100; living accommodation; price £1,450; near offer considered; steadily increasing turnover.

(C23) LEEDS.—City Business; turnover £2,200, increasing; net profit £450; price £800 or near offer; £500 down and balance by arrangement.

(C24) EAST KENT.—Situated in rapidly developing district; returns £1,800; should definitely reach £2,500 shortly; living accommodation; stock and fixtures £700; price £1,050 or near offer.

(C25) LONDON, S.E.1.—Main road; turnover £1,250 approximately; rent £110; living accommodation; price £395 all-at.

(C26) CHESHIRE.—Turnover £1,650; rent £60; rates £23 10s.; lock-up shop; first reasonable offer for quick sale.

(C27) STREATHAM (NEAR). — Family working-class; turnover £1,325; gross profit £499; rent £80; living accommodation; price £625 (£300 down and balance by arrangement).

(C28) LOUGHTON, ESSEX (NEAR).—Recently established but with excellent prospects; turnover £700; living accommodation; no near opposition; growing district; price about £400 all-at.

(C29) GLAMORGAN.—Well established, with no near opposition; returns about £20 weekly; good panel; low rental; house if required; price £600 or nearest offer.

(C30) STRATFORD (LONDON, E.).—Drug Store, with scope for substantial increase; populous area; low rental; price £100 all-at, including stock £50; offer considered.

(C31) DORSET.—Pharmacy with flat above; turnover £823; net profit £220; no near opposition; excellent scope with full time attention; price £480 all-at.

(C32) BLACKHEATH, S.E. (NEAR).—Lock-up; returns £1,000 under management; populous middle-class district; low rent and price.

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BUSINESSES FOR DISPOSAL

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BERKSHIRE.—Modern Pharmacy; well fitted; in new block on main road; excellent flat above; sound proposition for an enterprising Pharmacist; no idle inquiries will be answered. 206/5, Office of this Paper.

LIVERPOOL.—Good middle-class Business, near centre of city; with living accommodation; turnover last year £1,418; could be increased. Also good City Business; turnover last year £1,431. Offers for either or both invited. Apply Hugh Jones & Lewis, Chartered Accountants, 8 Victoria Street, Liverpool.

LONDON, S.E.17.—Good Working-class Drug Store; established 16 years; lease 19 years unexpired; rent £65 and rates, sublets nearly cover; takings £17 to £18 per week, could be doubled with Panel; no immediate opposition; price £525 all at, or near offer; good reason for disposal. 205/24, Office of this Paper.

LONDON, W.1.—Fine old-established Business (over 100 years), near Shaftesbury Avenue; large double-fronted corner shop; splendid large, dry, shelved and well-lit basement; profit last year, £848 under management; excellent opportunity. C/o A. C. Heyward, Chartered Accountants, 14/15 Coleman Street, London, E.C.2.

MORECAMBE.—Steady all-year-round business; low overheads; run under Management; would make good speculation for Owner-Pharmacist, with opening for Optics; present owner retiring from business. For all particulars, write Bailey's Drug Stores, Ltd., Bank Buildings, Barnoldswick, or 'phone Barnoldswick 130.

NORTH LONDON business for Sale; doing over £30 a week; very low figure accepted for quick sale; stock about £475; fittings £250. 205/28, Office of this Paper.

SOUTH COAST.—Sound Family Business; central; established 14 years; house and shop; side entrance; double-fronted; conveniently fitted; returns exceed £1,500; practically all cash; lease 6 years at £100; goodwill and valuation about £1,150. Apply 205/20, Office of this Paper.

SUNDERLAND, Co. DURHAM.—Chemist and Druggist Business for immediate disposal; owner retiring owing to ill health; established 63 years; Wine licence and good Proprietary lines; moderate rental, or offers for premises would be considered. A. D. Purse, 15 Salem Street, Sunderland, co. Durham.

TULSE HILL.—Illness necessitates immediate sale. Attractive Pharmacy with excellent living accommodation; brand new shop front; net profit over £6 per week; low rental; long lease; exceptional opportunity; price required £350 plus stock to suit purchaser. Apply 312/350, Office of this Paper.

AN Opportunity to secure excellent long-established West London main-road Chemists; sound trade; large populated area near several Doctors; nicely fitted corner shop, 22 ft. 6 in. by 20 ft. parlour, store room and dry cellarage; to let at £90 per annum on lease; living accommodation also available if desired. Owner, 51 Finlay Street, S.W.6.

FOR SALE.—Old-established Business; heart of the West End; great possibilities. 205/23, Office of this Paper.

OLD-ESTABLISHED Business for Sale; splendid position in small market town (Lincs); long lease; very low rent; good-class Counter Trade, Prescribing, Dispensing, N.H.I., Photography, Wine Licence; nicely fitted and well stocked; turnover average past 3 years over £1,000 p.a.; good profits; comfortable house attached—private entrance, bath, etc.; price, valuation of stock and fixtures, plus goodwill; capital required about £600. 205/39, Office of this Paper.

PROFIT on Rent and Rates by Sub-letting. Recently altered for intensive display, well-equipped Drug Stores, Tobacconist, etc., in real main road London suburb; premises comprise two shops, 4 rooms and semi-basement storage; valuable 21 years' lease recently acquired at low rent; tenants already applying for second shop and rooms overhead, including Dentist. Unqualified owner has made comfortable living as one-man lock-up business. Tremendous possibilities for Qualified business getter. Audited accounts. Premises as investment alone can show £120 per annum net. Clean stock, s.a.v. about £200; fittings, lease and goodwill £1,000. Alternatively, owner would consider forming limited company for investment of not less than £500, with managership to right applicant, salary and interest on shares. No applications for interview, etc., entertained unless accompanied by Bankers' references. 201/3, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

WANTED by Private Chemist.—Old-established Business in Midlands or South; returns £2,000 to £5,000; must stand investigation; cash transaction; references submitted if desired. 205/5, Office of this Paper.

WANTED TO PURCHASE FOR CASH.—Chemist's Business in Norfolk or that area; turnover £1,500-£3.000, or over, with house preferred. Full details in confidence to 206/4, Office of this Paper.

PREMISES TO LET

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

HANDSOME Modern Shops with Staybrite fronts; good living accommodation; adjoining G.P.O., main road; centre of good residential and growing district; rents from £100 per annum. Apply W. Burton Day, Architect and Builder, Lido Parade, Washway Road, Sale, Manchester.

SHOP FOR SALE OR TO LET.—With living accommodation, in rapidly growing district of Upton Lea Estate, Wexham Road, Slough; good opportunity for Chemist. Full particulars, A. T. Ricketts, 48 Upton Road, Slough.

WHOLESALE.—Large, light first-floor Front Office, a minute from Victoria; £75 per annum. Also basement Clerk's Office and fitted Stockrooms; £52 yearly. All recently decorated; formerly occupied for proprietaries, wholesale. "R," 41A Lower Belgrave Street, S.W.1. Tel. Sloane 9492.

AGENCIES

AGENT Wanted for Great Britain for the sale of Seamless Hygienic Rubber Goods of Yugoslavian make; offers from firms who can show good introduction to suitable clientele and can guarantee a large turnover for a competitive, first-quality product invited to Box 876, c/o Agence de Publicité de l'Europe Centrale, Paris, 9è. 7/9. Bd. Haussmann.

WELL-KNOWN S. Wales firm of Wholesale and Retail Chemists, with large Warehouse and Distributive facilities, requires Distribution Agency for Cardiff and district; stocks carried. 311/341, Office of this Paper.

PARTNERSHIPS

EXCEPTIONAL OPPORTUNITY. — Chemist requires Partner (Qualifications not necessary) to assist sales promotion in progressive newly-formed London company manufacturing lines of universal demand; sound prospects of developing into very profitable undertaking; capital under own control. 205/54, Office of this Paper.

BUSINESS OPPORTUNITIES

EXPORT CONSULTANT.—Manufacturers requiring independent advice in connexion with their export sales are invited to consult William Lyall Willis, M.I.Ex., M.A.A., Billiter House, Billiter Street, E.C.3. Telephone, Royal, 6052. Adviser to many of Great Britain's leading manufacturers.

APPRENTICESHIP

APPRENTICE required, Youth; passed Part I preferred; good training given; salary paid. Apply to R. H. Kerr, M.P.S., Hanover Pharmacy, 442 Uxbridge Road, W.12. 'Phone, Shepherd's Bush 2199.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

AYLESBURY.—Lady Assistant required for Dispensing and Light Counter. Full particulars, with photo or snap (to be returned), in first letter, T. M. Ashford, Chemist, 16 Market Square, Aylesbury.

DERBY.—Young Pharmacist required; permanency; N.H.I. Dispensing, Windows, Counter; Family Business; suit recently Qualified; comfortable berth; no Sunday or half-holiday duty. Give full particulars and salary required, enclosing photo, to 205/16, Office of this Paper.

EASTBOURNE.—Junior Assistant wanted for good-class Dispensing and Retail Business. Please state age, height, references, salary required, and enclose photo. J. Forbes, Chemist, Ocklynge Parade, Eastbourne.

EXETER.—Wanted, Qualified Assistant, good Dispensing experience essential. Please state age, height, salary required and photograph (which will be returned) to 204/100, Office of this Paper.

KENT.—Senior Assistant required as soon as possible for good-class Family and Dispensing business. Apply, stating age, height, experience, salary required and when disengaged, to 205/51, Office of this Paper.

LIVERPOOL, SOUTH.—Qualified Manager, young, energetic, capable and trustworthy, for working-class trade, with N.H.I.; state age, salary required, when free; send references. 205/27, Office of this Paper.

LONDON.—Qualified Assistant (permanent), also Assistant (Qualified preferred, but not essential), for two months; middle-class trade. Give particulars of experience, names of references, when disengaged, age and salary expected; apply (letter only), Chemist, 37 Sydner Road, London, N.16.

LONDON, CITY.—Qualified Male Assistant required immediately (age 24-30); full particulars. Apply personally, Hancock & Co., Ltd., 144 Fleet Street, E.C.4.

LONDON, E.—Unqualified Assistant required (male); position is a permanency if applicant is conscientious and with sound experience of Counterwork, Dispensing, etc. Apply, stating full particulars and salary required, to 206/23, Office of this Paper.

LONDON, S.W.—Unqualified Junior Assistant (male); permanency; staff of five kept; vacancy beginning of October; good Salesman, and Dispensing experience. State age, height, experience, and salary required, etc., Fairlee, 71 Lavender Hill, S.W.11.

LONDON, W.1.—Qualified Assistant wanted (about October 11) for high-class Piccadilly Pharmacy; must be a smart Salesman and of good appearance. Apply, stating age, experience and salary required, 312/347, Office of this Paper.

LONDON, W.4.—Qualified Assistant; must be reliable Dispenser, good Salesman and Window-dresser; knowledge of Photography. Apply, with full particulars, stating salary required and enclosing photo if possible (to be returned), 205/46, Office of this Paper.

LONDON, W.6.—Capable, Unqualified Assistant required at once; quick, accurate Dispenser essential; no Window-dressing. State age, fullest particulars, and salary required. Applications not answered in four days declined. D. Lewis, 84 Fulham Palace Road, Hammersmith, W.6.

MANCHESTER.—Qualified Assistant required at once; Counter and N.H.I. Apply, stating age, experience and salary required, to 205/45, Office of this Paper.

NOTTING HILL GATE, W.11.—Lady Assistant, young, for good-class Pharmacy; 45s.; hours 9 a.m.—8 p.m., 2½ hours off for meals; whole day off weekly; no Sunday duty. 202/1, Office of this Paper.

OXFORD.—Unqualified Assistant wanted for good-class Retail; send fullest particulars of experience in first letter and enclose photo; say when free. Druce & Co., Chemists, 118 High Street, Oxford.

ASSISTANT, Lady, for good-class business, with knowledge of High-class Toilets and Drug Counter; send photo and details of experience or call. Hudson Banks, Chemist, High Street, Ruislip, Middlesex.

ASSISTANT Required, Unqualified, Junior; comfortable berth, no Sundays; medium-class business. Apply Martins, Chemists, 18 Crown Lane, Morden.

ASSISTANT (Unqualified), with experience of good-class Dispensing and knowledge of Photography. Apply, giving usual particulars, C. W. Higgins, 47 Market Place, Salisbury.

AT ONCE.—Permanency, Unqualified Male Assistant (age about 25), for Dispensing and Counter; good knowledge of high-class Toilets and Photography essential; good prospects for right man. Applicants unanswered in 3 days respectfully declined. Jaffe, Ltd., 91A Broadway, Ilford, Essex.

CIVIL SERVICE.—Vacancies for both sexes, age 15-26. Excellent pay and prospects. No experience required. Short hours and congenial duties. Write for FREE Guide to forthcoming open examinations, salaries, opportunities available, etc., to N.T.O. (Dept. 45), 335 High Holborn, W.C.1.

G.P.O. ENGINEERING.—Attractive careers for young men, (18-23). Start £3 13s. weekly, rising to £680 per annum, with pension. No experience required. FREE details of openings, etc., from N.I.E. (Dept. 516), Staple Inn Buildings, W.C.1.

IMPROVER (must have served Apprenticeship) for Hospital Dispensary; good opportunity to learn Hospital Pharmacy; time allowed for study; state salary required and give full particulars to Secretary, West Kent General Hospital, Maidstone.

JUNIOR Assistant (Male) for Counter; good-class business, no responsibility. F. S. Rose, 110 George Street, Croydon.

JUNIOR Assistant (male), good all-round experience; quick and reliable Dispenser essential. State fullest particulars first letter, age, experience, when disengaged, salary required. Massingham's, Ltd., 34c Green Street, London, E.2.

JUNIOR Assistant, Unqualified, wanted for London, N.W. district; reliable Dispenser; no Sunday duty. Apply, stating experience, age, height and salary required, to "Spes," 205/19, Office of this Paper.

JUNIOR or Improver (male), indoors, for good-class Dispensing and Family business; good window-dresser and Dispenser essential. Apply, with full particulars, photo, age, height, salary, etc., to Exors. T. Evans, 114 Upper Richmond Road, Putney, London, S.W.15.

JUNIOR or Improver required at once for medium-class business. Brailey, 274 Biscot Road, Luton.

LADY Assistant (Unqualified) required for good-class business near London, S.W.; applicants must have had general Chemist's experience with practical knowledge of high-class Beauty Preparations; exceptional opportunity for one with pleasant personality. Give full particulars of age, previous experience, salary required, etc., 205/38, Office of this Paper.

LADY Dispenser for Dispensary and Counter; must be quick, neat and accurate and a good Saleswoman; Birmingham city centre. Apply, enclosing photograph if possible, stating age, experience and salary required. 205/10, Office of this Paper.

LADY, Qualified Chemist, to take charge of Dispensing Department, end of October; Exeter district. Full particulars to 204/1, Office of this Paper.

MALE Assistant for West End Retail establishment, experienced in fitting Trusses, Belts and Surgical Appliances generally; previous Retail experience essential; hours, 8.45 a.m. to 6 p.m.; Saturdays till one. Write, stating age and wages required, Box 867, Sells Ltd., Brettenham House, Strand, W.C.2.

MANAGER, with Optical qualification, required for recently opened branch shop; living accommodation available. Apply, with full particulars of experience, references, salary required, and when disengaged, to Stedmans (Weymouth), Ltd., 87 St. Thomas Street, Weymouth, Dorset.

M.P.S., as Assistant for usual Counter and Dispensing Duties only; newly-qualified would suit. Apply with full particulars, The Prosser Roberts Co., 85/87 Lambeth Walk, S.E.

NEWLY-QUALIFIED or Middle-aged Chemist required for branch business at Hampton Court, near London; general all-round experience. Apply, with full particulars, 283 Walworth Road, London, S.E.17.

PART-TIME Assistant wanted (male); evenings and Saturdays by arrangement; suit student. Replies to Stallard, Chemist, West Drayton, Middlesex.

PERMANENCY for Qualified Chemist used to heavy Dispensing; state when free, age, salary. Davys, Chemists, Penge, S.E.20.

PHARMACY.—Qualified Female Assistant required; Dispense and Counter; state age, experience, wages, first letter, with copy testimonials only, Abersychan and Pontypool Co-operative Society, Ltd., High Street, Abersychan.

QUALIFIED Assistant required for first-class West End Pharmacy; good Salesman essential. State age, experience and salary to 205/7, Office of this Paper.

QUALIFIED Assistant required; young man preferred; Dispensing and Counter; working-class district, London, E.14. Send full particulars, age, experience, references, salary required, and when at liberty, 205/49, Office of this Paper.

QUALIFIED, for permanent post in small shop in Brighton, October. Fullest particulars, 311/332, Office of this Paper.

QUALIFIED Lady Assistant required; comfortable post with easy hours. Write, stating age, salary required, etc, 23 Whitchurch Road, Shrewsbury.

QUALIFIED Lady Assistant wanted immediately for East Coast Pharmacy for three months; state salary required and references in first letter. Williams & Baxter, Ltd., 38 St. Peter's Road, Great Yarmouth, Norfolk.

QUALIFIED Locum required from September 27 to October 30. Full particulars, including salary, to Venables, Qualified Chemists, 211 King Street, Hammersmith, W.6.

QUALIFIED Manager for Branch Shop in small country town; lock-up shop; enterprising and energetic; no objection to lady. Give full particulars, Bastow, Chemist, Chichester, Sussex.

QUALIFIED Manager wanted for high-class Pharmacy; good salary, generous commission, excellent house; all-round business experience essential; age 30-40; Optical qualification (not essential); grand opportunity for good-class progressive Manager. Woolls, Chemists, Cecil Square, Margate. (Vacancy at Cliftonville branch.)

QUALIFIED or Unqualified Assistant, either sex (under 30), mainly for Counter work and Window-dressing; all Thursdays and Sundays free; must be London resident. Apply, with full details of experience and salary required, 312/348, Office of this Paper.

QUALIFIED Young Lady required for good-class Dispensing business; permanency. Please state age, experience and salary required. Starkey, 104 Holland Park Avenue, W.11.

STATIM.—Male Assistant, Unqualified, young, experienced Counter, Windows, &c.; post would be suitable to one just having finished Apprenticeship. Apply, giving usual particulars, J. B. Barnes & Son, Ltd., 184 Camden High Street, Camden Town, N.W.1.

UNQUALIFIED Assistant wanted immediately, or as soon as possible; permanency; good scope for Counter, Prescribing and Window-dressing. Brodribb, 344 Mare Street, Hackney, E.8.

UNQUALIFIED for October 3, for busy N.H.I. and Counter; comfortable post. Write first to Clarks, 48 Broadway Market, London Fields, E.8.

UNQUALIFIED Junior Assistant (male); good appearance; experienced Dispenser. Reply in writing with photo, full particulars, salary required, and when free to commence, to W. O. Whitley, M.P.S., Trollopes, Ltd., Chemists, Trowbridge, Wilts.

UNQUALIFIED Junior Assistant; must have been trained in good-class dispensing business; give full particulars of age, experience, and salary required. Applications not answered in four days declined with thanks. Chas. Lowe & Co., Surbiton, Surrey.

UNQUALIFIED Junior Assistant required; good Dispensing experience. State full particulars as to age, experience, and salary required, to D. Cameron, 366 Garratt Lane, Earlsfield, S.W.18.

UNQUALIFIED Male Assistant (age 20-23), wanted at once; good Counter hand and some experience of Window-dressing necessary. Apply, stating salary required, references, etc., to H. G. Rix, Chemist, Caversham, Reading.

VACANCY Occurs for Qualified Assistant in South-East London. Send particulars of age, experience and salary required, etc., 205/380, Office of this Paper.

WANTED immediately, capable Junior or Improver for light Retail and Dispensing; comfortable berth; South Wales; permanency to suitable young man; state age, height, experience, salary expected; enclose photo or snap (returnable); suit Welsh, English or Scotch. 205/26, Office of this Paper.

WANTED.—Qualified Lady or Gentleman (M.P.S.), London, for Counter and Dispensing; middle-class trade; £4 week. 204/22, Office of this Paper.

WANTED SHORTLY.—Qualified Assistant; Dispensing and Counter. Call at Butes, 51A High Street, Camden Town, N.W.1, or 'phone City 4564.

WANTED.—Unqualified Chemist Assistant (male or female); must have Dispensing experience and good knowledge of Window-dressing and the Toilet trade. Apply in writing, stating age and experience, to the Secretary, Gainsborough Industrial Co-operative Society, Ltd., 10 Bridge Street, Gainsborough, not later than first post, Thursday, September 30.

WANTED, Young Qualified Assistant, either sex. Please give full particulars, A. J. Hall, 97 High Street, Maidenhead.

YOUNG Assistant, Qualified; good-class business. Write experience, salary required, Butcher Curnow, Blackheath, S.E.3.

YOUNG Lady, Qualified, good experience Dispensing and Counter; North London. Apply "S.," 312/344, Office of this Paper.

YOUNG Lady, Unqualified, for Counter and Window-dressing; West London. Apply "G.," 312/343, Office of this Paper.

YOUNG Qualified Assistant (male) for good-class Dispensing and Photographic business; permanency. Please send full particulars, age, height (photo, if possible), experience, and salary desired, A. F. Brownlow, M.P.S., 12 Bridge Street, Stratford-on-Avon.

YOUNG Unqualified Lady Assistant required; good all-round experience essential. Write, stating full particulars of age, experience and salary required, to Managing Secretary, Macclesfield Equitable Provident Society, Ltd., 32 Park Green, Macclesfield.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

WHOLESALE

MEDICAL REPRESENTATIVE

required by well-known London House for introducing new ethical line. Primarily Maternity Hospitals and leading Obstetricians. To a man with the right experience the work is likely to be of absorbing interest and not unremunerative.

Apply Box 206/24, Office of this Paper.

ANALYST (Junior), required for Laboratory of provincial Wholesale house; Pharmaceutical experience necessary. Please apply with full particulars to 311/340, Office of this Paper.

MAN wanted to take charge small South Coast factory and warehouse; must be strict disciplinarian; M.P.S. preferred. Write salary and experience, in confidence, 201/1, Office of this Paper.

MEDICAL Representative required for Propaganda Work in London and Provinces, calling on Medical Profession and Trade. Must be Qualified Chemist, but previous Travelling experience not essential. Apply in writing to 311/321, Office of this Paper.

PART-TIME Salesman, commission only, required for new Perfume, nationally advertised; must have thoroughly established, dependable connexion, concentrated in the Counties of Shrops, Staffs, Hereford, Worcester and Warwick, developed over lengthy period. Applicants must give fullest information, age, remuneration, lines carried, frequency of journeys, &c.; selected applicants' expenses paid for interview, London. Write 311/342, Office of this Paper.

PHARMACIST, with Manufacturing experience, for work in Pharmaceutical Laboratory in Scotland. Reply, 312/345, Office of this Paper.

REPRESENTATIVES, carrying non-competitive lines, wanted for Northern Counties, also for Midlands, on commission basis. Clay & Abraham, Ltd., Liverpool.

REPRESENTATIVES Wanted by old-established Firm of Manufacturing Chemists to call upon Chemists and Hairdressers in the West of England and South Wales; commission and expenses; must be experienced and have good connexions; no objection to one or two non-competing lines being carried; preference given to men possessing cars for working ground. Write, with full particulars, to Lorimer-Marshall, Ltd., 12 Tower Hill, London, E.C.3.

SENIOR Maintenance Man (aged 30-40) required, who has practical experience in Bottling and Labelling plants, Mixing Machines and General Maintenance work, together with some electrical knowledge; a permanent position for a keen, conscientious man. Write, stating age, experience and salary required, to Engineer, c/o County Perfumery Co., North Circular Road, N.W.10.

TRAVELLERS required by established Sponge House (non-combine). Men already calling on the trade with connexions are invited to apply, giving particulars of territory covered. Hydra Sponge, Ltd., 129 Finsbury Pavement, London, E.C.2.

TRAVELLERS Required to work large range Sundries; must have connexion with Chemists and Hairdressers in Gloucester and Somerset, also Devon and Cornwall. Apply 205/1, Office of this Paper.

TWO First-class Salesmen required for London; must have experience Chemist and/or Hairdressing trade, and car an advantage; extensive advertising campaign and increased distribution makes additions to London selling staff necessary; salary and commission basis. Write 312/346, Office of this Paper.

WANTED.—Travellers with good connexions, South Coast, also Somerset, Gloucester, North Wilts and Berkshire, to represent well-established firm, for Patents, Sundries, Packed Goods and Drugs, on commission basis to commence. Apply, stating age, experience and full particulars, 206/14, Office of this Paper.

WORKS CHEMIST.—Applications are invited for vacancy in old-established London firm of Manufacturing Chemists for man of ability and initiative (age 30-40); candidates must hold Pharmaceutical qualification and have experience in the Production, Manufacturing and Packing of Chemists' packed lines; good organiser and capable of controlling staff; the appointment offers scope of progress for the right man. Applications, stating age, salary required, qualifications and experience in first letter, will be treated in strictest confidence. No stamps or photos. 311/339, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

WEST AFRICA.—A permanent and progressive career is offered to Qualified Pharmaceutical Chemists, commencing salary £400 per annum rising to £550 per annum, together with commission on profits; short tours, leave on full salary; free furnished quarters, first-class passages. The position is an attractive one to intelligent and capable young men under 30 years of age anxious to get on. 310/287, Office of this Paper.

CHEMIST.—Qualified Assistant for healthy Eastern Colony; young, single; good appearance and address; accurate Dispenser and good Salesman; four years' agreement, passage paid out and home. Write, with full particulars, to Box Z.993, Willings, 133 Moorgate, E.C.2.

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A.A.A.A.A.—MANAGER, over 20 years' experience, London and Suburbs; disengaged; excellent references; private; permanency. Chemist, 30 Lorne Close, Hanover Gate, N.W.8.

ASSISTANT Lady Dispenser seeks post, part-time or full-time; experienced; Hall Certificate; Brighton or near. 89 Ditchling Road, Brighton.

ASSISTANT or Dispenser (full- or part-time); Dispensing, Counter, Prescribing, Photography; Unregistered. Harries, 31 Cleaver Square, Kennington, S.E.11.

ASSISTANT, Unqualified; experienced all branches; thoroughly trustworthy; used good-class business; London or near suburbs. BM/JPOG, London, W.C.1.

ASSISTANT, Unqualified, male (25), married, seeks permanent, progressive situation; experienced all branches Pharmacy, Dispensing, Counter, Display; good references. Please state terms, Assistant, 13 Holly Avenue, New Haw, Surrey.

ASSISTANT, West End experience; Counter and Dispensing; good reference; disengaged September 13; locum or permanency; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

ASSISTANT (28), experienced high-class Family and West End Businesses; expert Dispenser. C. H. J. Bishop, 41 Hillcross Avenue, Morden, Surrey. Telephone: Liberty 2840.

CAPABLE Qualified Gentleman (30); Manager or Senior; well experienced; trustworthy; good appearance; free soon "F.," 49 Princes Square, W.2.

EXPERIENCED Registered Pharmacist, having completed summer bookings, can undertake further engagements. "Locum," c/o York House, Chipping Sodbury, Gloucestershire.

LADY Dispenser (Hall), experienced, seeks situation; Medical Practitioner or Hospital; Midlands preferred. 206/8, Office of this Paper.

LADY Dispenser to Doctor or Hospital; Permanency or Locum; Hall qualification; reliable; Book-keeping, Typing; competent Motor Driver. Phone Upl. 0692, or write H, "Park Lodge," Park Road, Kenley, Surrey.

LADY, Qualified (25); high-class experience; capable in all branches; excellent references; London area preferred. Gibbens, 44 Broadwater Road, N.17.

LOCUM available September 27 onwards; Qualified; experienced; good managership considered. Bark, 34 Coleherne Road, S.W.10. Phone, Flaxman 5533.

LOCUM, M.P.S., F.S.M.C.; free September 28-October 9, and October 13-24. W. Rees, 86 Avondale Avenue, Laleham Road, Staines, Middlesex.

MANAGER or Locum. J. H. Smith, 19 Clarence Square, Cheltenham.

MANAGER, Qualified, capable and energetic, desires post, London or suburbs; experienced Buyer and Salesman. P.C.B., 256/27, Office of this Paper.

MANAGER (38), married, seeks responsible position in London or Middlesex; minimum salary £5. 204/6, Office of this Paper.

M.P.S. (age 41), as Manager, experienced all branches; moderate salary; interview if desired; free October 9. 203/3, Office of this Paper.

M.P.S., at present disengaged, seeks Managership in London (Central or South-Western districts preferred); thoroughly experienced, active, and energetic; sound references. "C," 58 Grove Road, Balham, S.W.12.

M.P.S., F.S.M.C. (28), tall, 7 years Manager, desires change; London preferred; free one month; own Optical equipment. 205/50, Office of this Paper.

M.P.S., MIDDLE-AGED, single, abstainer, quick and accurate Dispenser, tactful Counterman, desires position Managing or otherwise; moderate salary. P.C.B., 256/30, Office of this Paper.

M.P.S., well-experienced in West End and good-class Pharmacy, requires responsible position; disengaged end of September; Locum work entertained. "Ian," The Pharmacy, Brighton Road, Lower Kingswood, Surrey.

PHARMACIST, varied experience, seeks permanency as Manager; personal interview desired; available for Locum work. Flood, 84 Crescent Lane, Clapham, S.W.4.

QUALIFIED Chemist (age 29), 6 ft. tall; City, West End and provincial experience with multiple and private firms; Staff control; expert in Photography and well up in Toilets; requires position as Manager in or near London. Chemist, 71 Chelverton Road, Putney, S.W.15.

QUALIFIED Gentleman, having recently disposed of business, desires position as Manager with view to early succession. 206/21, Office of this Paper.

QUALIFIED Manager (branch shop) or Dispenser in high-class business (25); London preferred; excellent references; all-round experience. 200/9, Office of this Paper.

QUALIFIED seeks change (single, 34); all-round experience; 8 years business management; excellent references; permanency; London area. 205/29, Office of this Paper.

QUALIFIED (45), as Manager; excellent London experience; first-class references; permanency; preferably in West London area; free October 2. 204/12, Office of this Paper.

QUALIFIED (27), 7 years first-class experience in all branches of Pharmacy; free October 4 until the middle of November; well recommended. 206/7, Office of this Paper.

UNQUALIFIED (married, 24) wishes situation; 9 years' splendid Dispensing experience; Counter, Toilet, Photographic; tall; excellent references; free now. 205/4, Office of this Paper.

YOUNG Irish Chemist (Lady), good experience Dispensing, Counter, Toilet, etc., seeks post as Assistant, London or good-class suburb. 204/15, Office of this Paper.

WHOLESALE

A.A.—Alert, experienced Traveller (30), first-class connexion, on same ground 8 years, seeks permanent situation with reputable firm; fidelity bond; good education and appearance; fine sales record; Provinces considered. P.C.B., 255/38, Office of this Paper.

COSMETICS.—Advertiser seeks situation; first-class experience of Manufacturing all types Toilet Preparations; willing, adaptable, go anywhere. 205/15, Office of this Paper.

DURHAM, Yorkshire, Derby, Notts.—Well-known Traveller, experienced Toilets, Patents, desires change; excellent references; own car; resident Leeds. 191/3, Office of this Paper.

FOR ten years I have, as Senior Representative of a Leading Pharmaceutical House, contacted Doctors, Pharmacists and Hospitals. My sales records show successful pioneering work, followed by continuous repeat orders. I am still under 40 and am now seeking a post where constructive ability and adherence to policy will bring me a position other than routine representative work. My reference is ten years' service with my present firm. 206/20, Office of this Paper.

HIGH-GRADE Salesman with long-standing connexion amongst Stores, Chemists, Hairdressers in South of England wants extra line. 206/18, Office of this Paper.

REPRESENTATIVE seeks position established house; well known North-West Counties and Wales; would consider sound Agencies; own car. 205/33, Office of this Paper.

REPRESENTATIVE, with experience of Perfumery and Soaps, calling upon Chemists in North Wales, Cheshire, Staffordshire, West of England and South Coast, desires position; own car; salary, expenses and commission, 204/16, Office of this Paper.

REPRESENTATIVE (34); live connexion Midlands, Gloucester, Devon, Somerset, Cornwall, S. Wales, desires change; resident on territory. 206/9, Office of this Paper.

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TABLET Maker and Coater, able to maintain Factory; drive car; London or near preferred; experienced; excellent references. P.C.B., 256/28, Office of this Paper.

TOILET Preparations and Cosmetics; experienced manufacturer of large range high-class products, seeks position; moderate salary for progressive post. Abbey, 22 Blackstock Road, N.4. 'Phone CAN. 1683.

TO MANAGING DIRECTORS.—The advertiser, who in 1928 was the founder of a small but now important Perfumery Company, has recently sold out his interests and is desirous of joining a firm who have an opening; exceptional knowledge and practical experience in the production of designs for bottles, labels, cartons, etc., and able to supervise these from their inception to finish and a knowledge of marketing lines which are in constant public demand both at home and abroad. 312/349, Office of this Paper.

TRAVELLER (29), representing important Chemist Sundries' house; Yorks, Durham, Northumberland; own car; 7 years on territory; desires change; Agencies considered. 205/32, Office of this Paper.

TRAVELLER, 10 years' connexion with Medical Profession, Eastern Counties Surgical and Medical Supplies, desires to represent firm in same area. H. W., The Haven, Southview Drive, Hadleigh, Essex.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

WELL-KNOWN Representative, good appearance and address; excellent connexion Chemists, etc., in Midlands; 13 years' experience; desires permanent appointment house of repute; own car; disengaged; salary-expenses basis. 206/16, Office of this Paper.

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COLONIAL, INDIAN AND FOREIGN

INDIA.—Advertiser, nearly 20 years' experience in India and of highest repute, seeks representation in India and the East for a British firm; medical specialities: Drugs, Sundries, Toilets, Proprietaries, Perfumery, etc.; intimate knowledge Indian conditions and languages and Eastern Drug Trade; considerable experience manufacture in India of Home products under licence; interview in London. Reply 310/295, Office of this Paper.

INDIA.—Scotsman wishes post as Representative for British firm; Sales and Medical Propaganda; good connexion in all markets; India, Ceylon and Rangoon. 204/13, Office of this Paper.

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NATIONAL Cash Register; perfect condition; prints amounts and total; been carefully used. Write, P. Fish, 123 Abbey Buildings, S.E.1.

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BEST Prices for bulk quantities of Irish Moss and Bladderwrack. Samples and quotations to Smith, 37-39 Highfield Lane, Keighley, Yorks.

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